



**amparo**  
revolutionizing  
prosthetics

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Innovative  
Technology  
Revolutionizing  
Prosthetics





## About us

Our goal is to empower amputees by providing innovative prosthetic technology. We offer user-centered products that have been designed to benefit both amputees and technicians. By creating an off-the-shelf prosthetic socket technology, Amparo allows technicians to provide efficient and mobile prosthetic services with easy to use and high-quality products. Ultimately, we aim to increase the quality of life of amputees and create access to prostheses worldwide.



### Book a meeting

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# Resilience Socket

## Light and resistance with maximum comfort

Experience unparalleled mobility and comfort with the revolutionary Resilience Socket. Crafted from ultra-lightweight, aerospace-grade aluminum with the distal end reinforced with Kevlar fibers, offering superior strength and durability without sacrificing agility. The Resilience Socket features an interchangeable suspension system, compatible with pin, suction, and active vacuum methods for a personalized fit.

## Specifications

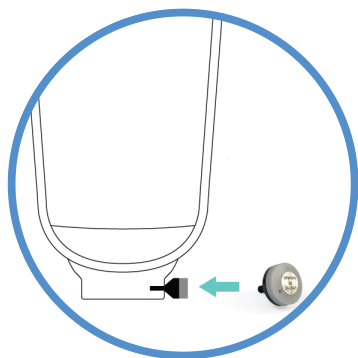
Amputation Level	Transfemoral (TF) / Below-Knee
Weight Bearing	Total-Surface-Bearing (TSB) Kondylen-Bettung Münster (KBM) Patellar Tendon Bearing (PTB)
Suspension System	Passive Vacuum, Active Vacuum and Pin Lock
Materials	Low-temperature thermoplastic cone reinforced with Kevlar fibers with pre-assembled aerospace graded aluminum mounting plate
Offset	Centered Plate
Remolds	5 times



Resilience Socket					
					
Resilience Socket	Black Carbon	Blue Carbon	Light Blue	Camouflage	Custom Made
REF Number	RS-M-BC	RS-M-DB	RS-M-LB	RS-M-CA	RS-M-VA
Weight Supported	125 kg	125 kg	125 kg	125 kg	125 kg
Distal Circumference w/ liner	20-38 cm	20-38 cm	20-38 cm	20-38 cm	20-38 cm
Max Residual Limb Length	27 cm	27 cm	27 cm	27 cm	27 cm
Socket Weight*	1000 g	1000 g	1000 g	1000 g	1000 g
Color	Black Carbon	Blue Carbon	Light Blue	Camouflage	Custom Design
*During fitting 100-400g will be removed depending on residual limb length.					

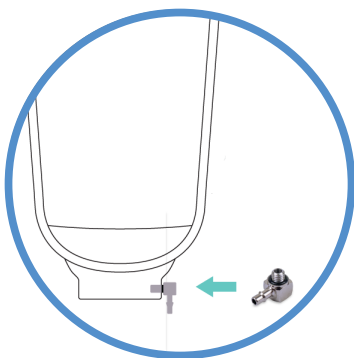
# Resilience Socket Suspension Systems

The Resilience Socket (TT) can be used with a Passive Vacuum System, an Active Vacuum System or with a Pin Lock System.



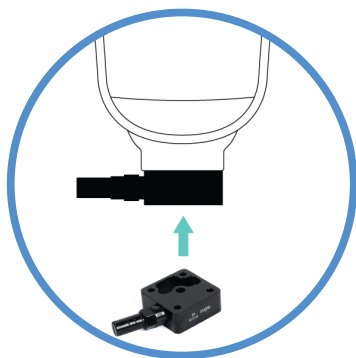
## Passive Vacuum System

The Resilience Socket utilizes a one-way valve technology that creates a secure seal without generating pressure points. This innovative design integrates seamlessly with liners and sleeves, offering optimal support for daily activities.



## Active Vacuum System

Active vacuum technology in the Resilience Socket minimizes pistoning and internal movement, allowing you to feel your prosthetic leg more naturally. This enhanced sense of body awareness, called proprioception, works with your balance system to give you a clear picture of your movement and position.



## Pin Lock System

The Resilience Socket incorporates a cutting-edge clutch lock mechanism, providing a secure fit without requiring a separate sleeve. This innovative design features a quick-release function for effortless donning and doffing, streamlining your daily routine.

## Suspension Units\*

\*Suspension units are not included in the Resilience Socket and need to be ordered separately.



### Button One Way Valve Kit

A kit for adding suction suspension to the Resilience socket. Includes seal, button valve, and 4x M6x16 screws

REF Number	RVK
Specifications	M5 Connection



### Elevated Vacuum Kit

A kit for adding elevated vacuum suspension to the Resilience Socket. Includes seal, barbed fitting, and 4x M6x16 screws

REF Number	EVK
Specifications	m5 connection Barbed fitting for 6mm ID tube



### Pin Lock Unit

Pin-lock suspension unit for use with Resilience Socket

REF Number	PLU-R
Specifications	Pin Length 57mm



# Confidence Socket

## Material cone for transtibial prosthetic socket

The Confidence Socket is a revolution in below-knee prosthetic socket technology. The direct molding technique applied, when fitting the Confidence Socket, allows for an unbelievably intuitive and efficient treatment with a very low margin of error. Thanks to the thermoplastic material, the socket can be remolded several times, to allow for volume changes in an amputee's residual limb. The socket comes with a pre-assembled and pre-lateralized mounting plate and the suspension module of choice.

## Specifications

Amputation Level	Transtibial (TT) / Below-Knee
Weight Bearing	Total-Surface-Bearing (TSB) Kondylen-Bettung Münster (KBM) Patellar Tendon Bearing (PTB)
Suspension System	Passive Vacuum and Pin Lock
Materials	Low-temperature thermoplastic cone with pre-assembled aluminum mounting plate
Offset	1 cm
Remolds	5 times



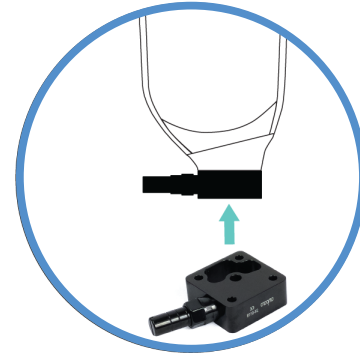
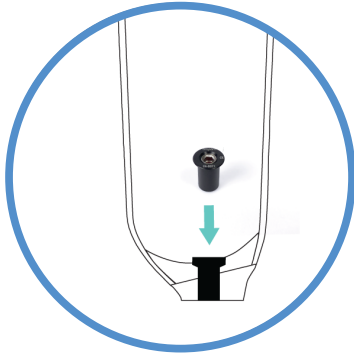
## Confidence Socket

Confidence Socket	Vacuum Small	Vacuum Large	Pin Small	Pin Large
REF Number	CSBK-V-S	CSBK-V-L	CSBK-P-S	CSBK-P-L
Weight Supported	125 kg	150 kg	125 kg	150 kg
Distal Circumference	23-34 cm	30-45 cm	23-34 cm	30-45 cm
Max Residual Limb Length	27 cm	27 cm	27 cm	27 cm
Socket Weight*	1300 g	1400 g	1300 g	1400 g
Color	Black	Black	Black	Black

\*During fitting 100-400g will be removed depending on residual limb length.

## Suspension Systems

The Confidence Socket (TT) pre-assembled Material Cone can be used with a One-way Valve or with a Pin Lock Unit.



### Passive Vacuum System

Offers great comfort and reliability for amputees. The one-way valve creates a snug fit without resulting in high-pressure areas. It's used with liner and sleeve.

### Pin Lock System

Uses a clutch lock mechanism. It eliminates the need for a sleeve and promotes easy donning and doffing with its quick release mechanism.

## Suspension Units\*



#### One-Way Valve for Confidence Socket

REF Number	VAL
Weight	20 g
Dimensions	18 x 19 x 19 mm



#### Pin Lock Unit

REF Number	PLU
Weight	180 g
Dimensions	52 x 98 x 22 mm

\*Suspension units are not included in the Confidence Socket TT Material Cone and need to be ordered separately.

# Trust Socket

## Afordable comfort and flexibility

Its direct fit technology allows for a streamlined fitting process, minimizing errors and ensuring a comfortable socket from the beginning. Similar to the Confidence Socket, the Trust Socket utilizes a strong yet adaptable material. This allows for adjustments and remolding over time as your residual limb may change. For maximum customization, the Trust Socket comes without a pre-mounted plate. This empowers your prosthetist to select the optimal adapter and its placement, catering to your unique needs. Additionally, the socket is compatible with a variety of suspension methods, ensuring a comfortable and secure fit. The Trust Socket prioritizes flexibility and personalized care, allowing you to partner with your prosthetist to create a prosthetic solution that works best for you.

## Specifications

Amputation Level	Transtibial (TT) / Below-Knee
Weight Bearing	Total-Surface-Bearing (TSB) Kondylen-Bettung Münster (KBM) Patellar Tendon Bearing (PTB)
Suspension System	Active Vaccum, Passive Vacuum and Pin Lock
Materials	Low-temperature thermoplastic cone
Remolds	5 times



### Trust Socket

Trust Socket	Black
REF Number	TSBK
Weight Supported	100 kg
Distal Circumference	14-38 cm
Max Residual Limb Length	27 cm
Socket Weight*	800 g
Color	Black

\*During fitting 100-400g will be removed depending on residual limb length.

# Starter Kits

Our Starter Kits are designed specially for those who are new to using Amparo's products. The kits include everything you need to get set up, as well as professional online or on-site training. **Special discounts for each kit.**

## BASIC Starter Kit

2x Sockets  
2x Suspension Units  
1x Amparo Tool Set  
On-Line Training

## MASTER Starter Kit

6x Sockets  
6x Suspension Units  
1x Amparo Tool Set  
On-Line Training

## COMPLETE Starter Kit

12x Sockets  
12x Suspension Units  
1x Amparo Tool Set  
8h On-Site or Online Training

# Training

## Online Training

In this online course, you will learn all there is to know about preparing, fitting and modifying Amparo Sockets. The course will provide you with the theoretic and practical know-how to fit and use our sockets at your clinic.

## On-site Training

We can arrange group or individual training at your facility. With one of your patients we can fit a pin or valve socket depending of your choice and help you for the first fitting. The mobile clinic will allow us to do it anywhere.

## Tutorial Videos

Once you have completed the training you can access many different free tutorial videos online depending on what part of the fitting you want to check again or have questions about.



Scan QR Code to get to Trainings  
<https://amparo-prosthetics.com/trainings>

# Product Sets

All tools, accessories, and consumables can be ordered as part of product sets for more convenient and effective ordering.



## Amparo Tool Set

REF Number	AMTS-02
Components	MOX Mobile Oven VP-02 Mobile Vacuum Pump VAX-02 Vacuum Adaptor SP3 Spacer Pads TSB Tool Storage Bag RWB Workshop Bag PCF Stretch Foil Roll MT-R Molding Textile MSH Leather Shears TSC Textile Scissors TGL Thermo Gloves PXW Marking Pencil



# Amparo Tools and Accessories

Amparo Tools were developed in-house and are exclusively available from Amparo and its official distributors.

Accessories were chosen by Amparo as these specific models of common orthopedic work tools work best with the Amparo System.



## Stretch Wrap

extra strong & tear-proof, does not fuse with hot thermoplastic well suited for compression and vacuum suction

REF Number	PCF
Specifications	roll 150 m x 10 cm



## Molding Textile

ensures even vacuum distribution does not bond to thermoplastic

REF Number	MT-R
Specifications	ca. 10 m



## Thermo Gloves

long shape that protects hands and wrists tight-fitting for good dexterity when shaping sockets

REF Number	TGL
Specifications	one size (size 9), with Para-Aramid, seamless



## Spacer Pad Set

creates extra space in socket for sensitive areas when adjusting

REF Number	SP3
Specifications	6x silicone pads, 2 of each shape
Dimensions	3 x 7 x 3cm, 7.5 x 8.2 x 3cm, 3.5 x 3.5 x 3cm



## Metal Shears

curved blade for soft curves and small radii well suited for creating the socket contour

REF Number	MSH
Specifications	Kretzer, 9,5"/24 cm bent



## Fabric Scissors

industry standard, incontestable for textiles and hot thermoplastic

REF Number	TSC
Specifications	Kretzer, 8"/20 cm



### Marking Pencil

to help define the socket brim line

REF Number	PXW
Specifications	White Color



### Vacuum Adapter

connects Mobile Vacuum Pump to the Confidence Socket

REF Number	VAX-02
Specifications	Comes with manometer & filter



### Mobile Vacuum Pump

for fittings at the clinic and on the go

REF Number	VP-02
Weight	4.4 kg
Size	30.5 x 12 x 17 cm
Max. Vacuum	0.8 bar
Flow Rate	68 l/min



### Mobile Oven

used for consistent heating of the confidence socket using a heat gun\*

REF Number	MOX
Specifications	Oven Hood, Stand, Silicone Base & Insulation Cap



### Tool Storage Bag

protects and separates tools during transport

REF Number	TSB
Specifications	padded, adjustable partitions, handle
External dimensions	48 x 34.5 x 19.5 cm
Weight	1.35 kg



### Workshop Bag

can hold all the necessary tools for prosthetic fitting treatment

REF Number	RWB
Specifications	2 wheels, extendable handle, 111-120 liter
Dimensions	43 x 36 x 79 cm
Weight	2.8 kg

\*2000 Watt 500L per Minute Heat Gun

# Reference Table

## Sockets

CSBK-V-L	Confidence Socket Valve S
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CSBK-V-L	Confidence Socket Valve L
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CSBK-P-S	Confidence Socket Pin S
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CSBK-P-L	Confidence Socket Pin L
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TSBK	Trust Socket
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RS-M-BC	Resilience Socket Black Carbon
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RS-M-DB	Resilience Socket Blue Carbon
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RS-M-LB	Resilience Socket Light Blue
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RS-M-CA	Resilience Socket Camouflage
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RS-M-VA	Resilience Socket Custom Made
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## Suspension Units

VAL	Confidence Socket Valve
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PLU	Confidence Socket Pin Lock Unit
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RVK	Resilience Button One Way Valve Kit
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PLU-R	Resilience Socket Pin Lock Unit
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EVK	Resilience Socket Elavated Vacuum Kit
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## Amparo Tools

MOX	Mobile Oven
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VP-02	Mobile Vacuum Pump
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VAX-02	Vacuum Adaptor
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SP3	Spacer Pads
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TSB	Tool Storage Bag
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RWB	Workshop Bag
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## Accessories

MSH	Metal Shears
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TSC	Fabric Scissors
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TGL	Thermo Gloves
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## Consumables

PCF	Stretch Wrap
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MT-R	Molding Textile
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PXW	Marking Pencil
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## Tool Kit

AMTS-02	Tools + Accessories + Consumables
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