

WillowWood One® TF System



PRODUCT HIGHLIGHTS:

- **Use system with elevated vacuum or as a suction system**
- **Features two seal points ensuring that the airtight seal does not break**
- **Once donned, no need to adjust prosthesis throughout the day**
- **Choice of Liner: fabric-free Alpha SmartTemp® Liner with Outlast® or the fabricless Alpha Duo Liner**
- **Control your LimbLogic from your iPhone or iPad**



Overview

Reliable suspension for transfemoral amputees has been elusive due to durability and difficulty of systems maintaining airtight seals. The WillowWood One System provides a consistently secure, comfortable, and easy solution for transfemoral amputees with no hoses, sleeves, or extra bulk required.

The WillowWood One System was initiated through a grant from the U.S. Department of Veterans Affairs that spanned 26 months of development and testing and included over 40 clinical test patients of various activity levels. The system includes either a fabricless Alpha SmartTemp Liner or Alpha Duo Liner, a One Gel Sock, a One Seal, and an optional LimbLogic® system along with the definitive socket.

Diagnostic sockets for this system are created and fit by clinicians. Once the diagnostic socket is fit, the final dynamically-aligned diagnostic socket is sent to WillowWood for fabrication of the definitive socket. By teaming the personal clinical service of our customers with WillowWood's trained Custom Solutions team, clinicians and their patients can be certain of receiving an airtight definitive socket.



If using elevated vacuum, customers may use either the LimbLogic distal mount¹ or the new side mount² option.



The Alpha Duo Liner retrofits with the fabricless Alpha SmartTemp Liner and may be used in the WillowWood One System.



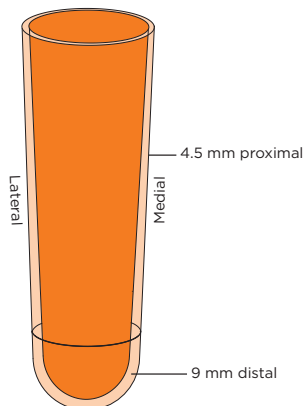
This cutaway shows how the system creates two seal points for secure suspension.

Ordering Guidelines: WillowWood One® TF System

LINER SPECS:

PROFILE

Symmetrical Liner Profile, 4.5 mm



PRODUCT COLOR

SmartTemp: Blue
Duo: Dark Gray

STYLE

Symmetrical 4.5 mm

INTERFACE MATERIAL

SmartTemp: Silicone with Outlast®
Duo: Classic Gel/Silicone

LIMBLOGIC SPECS:

PRODUCT WEIGHT

Distal Mount: 225 g
Side Mount: 209 g

PRODUCT HEIGHT

Distal Mount: 1.42" (36 mm)
Side Mount: 1.386" x 3.943" long
(35.22 mm) x (100.15 mm) long

PATIENT WEIGHT LIMIT* (for distal mount only)

350 lb (160 kg) for U.S. Activity Level 3;
300 lb (136 kg) for U.S. Activity Level 4

L-CODE SUGGESTIONS

L5781 (*vacuum only*), L5652 (*suction only*),
L5679, L8417, L5701, L5651, L7700,
L5950, L5920, L5649, L5650, L5631

WARRANTY

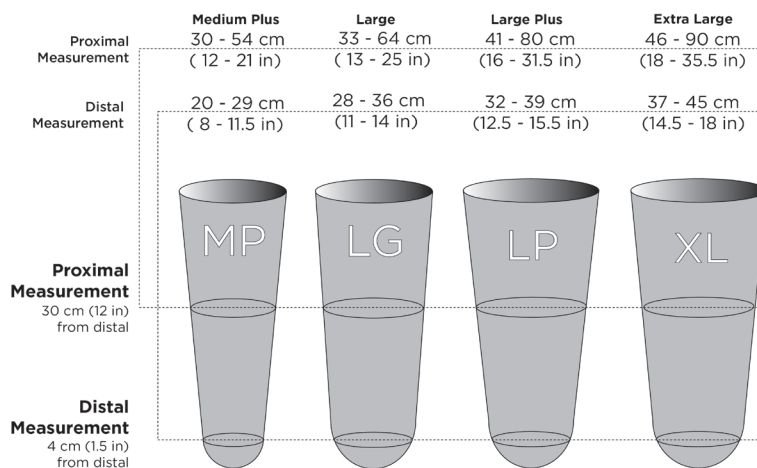
LimbLogic Pump: 24 months
Liner/Sock/Seal: 12 months;
Definitive Socket: 3 months
(*from date of patient fitting*)

TRIAL PERIOD

Non-Fabricated: 30 days from date
of patient fitting
Fabricated Socket: 30 days on Liner, Sock,
Seal and optional LimbLogic® from socket
ship date from WillowWood

SIZING GUIDE

Please refer to the illustrations for recommendations for fitting the fabricless Alpha SmartTemp Liner or Alpha Duo Liner for the WillowWood One System. The liner size determines the size of the One Gel Sock and One Seal.



ITEM NUMBERS

Vacuum Side Mount Size**

Medium Plus	ONE-TFVS-MP-S	ONE-TFVS-MP-D
Large	ONE-TFVS-LG-S	ONE-TFVS-LG-D
Large Plus	ONE-TFVS-LP-S	ONE-TFVS-LP-D
Extra Large	ONE-TFVS-XL-S	ONE-TFVS-XL-D

Vacuum Distal Mount Size**

Medium Plus	ONE-TFVD-MP-S	ONE-TFVD-MP-D
Large	ONE-TFVD-LG-S	ONE-TFVD-LG-D
Large Plus	ONE-TFVD-LP-S	ONE-TFVD-LP-D
Extra Large	ONE-TFVD-XL-S	ONE-TFVD-XL-D

Vacuum part numbers include fabrication.

Separate/Replacement Items†

Liner and Gel Sock, Medium Plus	T990-1944	D990-1944
Liner and Gel Sock, Large	T990-1946	D990-1946
Liner and Gel Sock, Large Plus	T990-1948	D990-1948
Liner and Gel Sock, Extra Large	T990-1947	D990-1947

Item #	Item #
One Seal, Medium Plus	ONE-SEAL-MP
One Seal, Large	ONE-SEAL-LG
One Seal, Large Plus	ONE-SEAL-LP
One Seal, Extra Large	ONE-SEAL-XL
Definitive Socket Fabrication	OFAB-ONE-SUCTION
One System Alignment Buttons	ONE-AB3

† For a complete suction system, determine liner size, order corresponding liner and seal and OFAB-ONE-SUCTION.

* Body weight plus any loads normally or routinely carried cannot exceed this weight limit.

** Liner size determines size of the One Gel Sock and One Seal.

WillowWood One® TT System



The WillowWood One TT system may be used with LimbLogic® (left) or with suction suspension.

PRODUCT HIGHLIGHTS:

- **Use system with suction suspension or with elevated vacuum**
- **Features two seal points ensuring that the airtight seal does not break**
- **Internal One Sleeve allows greater knee flexion than external sleeves**
- **Control your LimbLogic from your iPhone or iPad**

Overview

The WillowWood One TT system adapts socket technology from the transfemoral version of the system and makes it available for transtibial applications. The transtibial socket system, for use with either elevated vacuum or suction, delivers an airtight seal, an internal sleeve, and socket security.

Components of the WillowWood One TT system include an Alpha Duo® Liner, a One Gel Sock, an optional LimbLogic, a flexible inner socket, a One Sleeve, and the One Link. Together, these components create an airtight system that moves with an amputee's residual limb for reliable suspension and comfort.

Throughout development, goals for the transtibial system were to make it comfortable to wear, control pistoning, facilitate a comfortable walking gait, and be compatible with various amputee activity levels. Clinical testing has shown unprecedented seal durability and compatibility with various activity levels and ages. Numerous amputees who tested the system reported feeling a closer fit on their residual limbs and experiencing an improved sense of security from the WillowWood One TT system over their previous prostheses.



The distal-mount LimbLogic unit may be used with the WillowWood One TT System.



The Alpha Duo Liner, a One Gel Sock, and the pre-flexed One Sleeve are part of the system and also available separately.



This cutaway view shows the two seal points within the system.

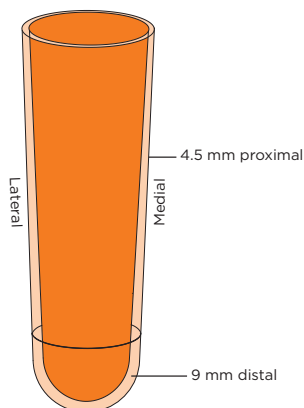
Ordering Guidelines: WillowWood One® TT System

Visit willowwoodco.com to first verify this system is suitable for your patient.

LINER SPECS:

PROFILE

Symmetrical Liner Profile, 4.5 mm



PRODUCT COLOR

Duo: Dark Gray
One Sleeve: Gray

STYLE

Symmetrical 4.5 mm

INTERFACE MATERIAL

Duo: Classic Gel/Silicone
One Sleeve: Silicone

LIMBLOGIC® SPECS:

PRODUCT WEIGHT

Distal Mount: 225 g

PRODUCT HEIGHT

Distal Mount: 1.42" (36 mm)

PATIENT WEIGHT LIMIT*

350 lb (160 kg) for U.S. Activity Level 3;
300 lb (136 kg) for U.S. Activity Level 4

L-CODE SUGGESTIONS

L5781 (*vacuum only*),
L5647 (*suction only*),
L5679, L8417, L5700,
L5645, L5940, L5910,
L5637, L5629, L5685

WARRANTY

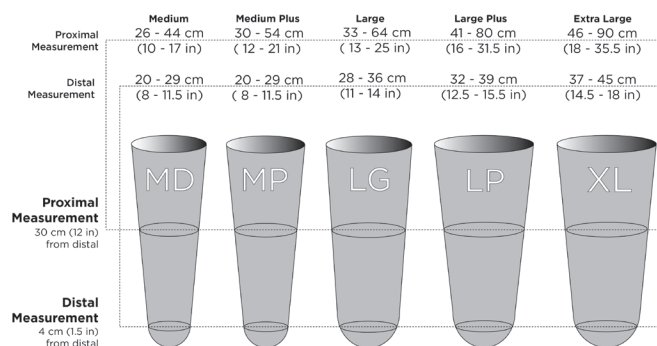
LimbLogic Pump: 24 months;
Liner/Sock: 12 months;
Sleeve: 3 months;
Definitive Socket***: 3 months
(from date of patient fitting)

TRIAL PERIOD

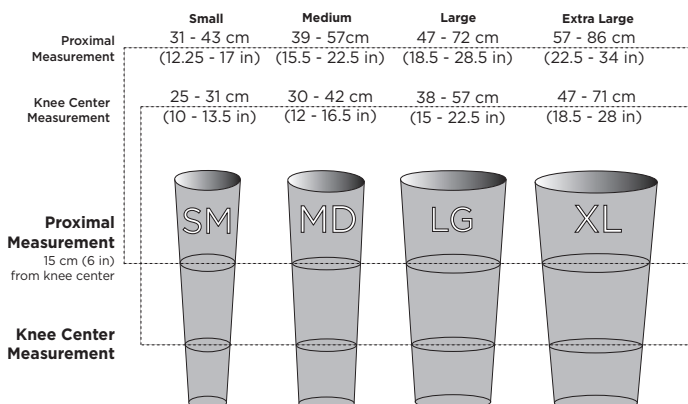
Non-Fabricated: 30 days from
date of patient fitting
Fabricated Socket: 30 days on
Liner Kit and optional LimbLogic
from socket ship date from
WillowWood***

SIZING GUIDE

Please refer to the illustrations for recommendations for fitting the Alpha Duo® Liner for the WillowWood One TT System. The liner size determines the size of the One Gel Sock.



Sleeve sizing differs slightly from that of the liner. Please refer to the illustrations below for recommendations for fitting the One Sleeve.



ITEM NUMBERS

Liner Size/ Sleeve Size**	with Elevated Vacuum	with Suction† Socket
Medium/Small	ONE-TTVD-MD-SM	ONE-TTSU-MD-SM
Medium/Medium	ONE-TTVD-MD-MD	ONE-TTSU-MD-MD
Medium Plus/Small	ONE-TTVD-MP-SM	ONE-TTSU-MP-SM
Medium Plus/Medium	ONE-TTVD-MP-MD	ONE-TTSU-MP-MD
Medium Plus/Large	ONE-TTVD-MP-LG	ONE-TTSU-MP-LG
Large/Medium	ONE-TTVD-LG-MD	ONE-TTSU-LG-MD
Large/Large	ONE-TTVD-LG-LG	ONE-TTSU-LG-LG
Large/Extra Large	ONE-TTVD-LG-XL	ONE-TTSU-LG-XL
Large Plus/Large	ONE-TTVD-LP-LG	ONE-TTSU-LP-LG
Large Plus/Extra Large	ONE-TTVD-LP-XL	ONE-TTSU-LP-XL
Extra Large/Extra Large	ONE-TTVD-XL-XL	ONE-TTSU-XL-XL

Vacuum part numbers include definitive socket fabrication.

† To include definitive suction socket fabrication, order OFAB-ONE-TTP.

* Body weight plus any loads normally or routinely carried cannot exceed this weight limit.

** Liner size determines size of the One Gel Sock.

*** When fabricated by WillowWood.

One Sleeve



PRODUCT HIGHLIGHTS:

- **Pre-flexed at 22.5°**
- **Allows for easy knee flexion**
- **Use with WillowWood One System for airtight seal**

Overview

Designed for use with the WillowWood One® TT System, the One Sleeve is a pre-flexed internal sleeve that allows for a comfortable fit without limiting the knee's range of motion. The fabric is adhered to the proximal and distal areas of the sleeve but left loose in between to allow for knee flexion without creating friction on the knee. The fabric-free proximal portion of the sleeve may be trimmed to suit patient needs. The sleeve is designed not to bunch behind the knee when standing, sitting or bending.

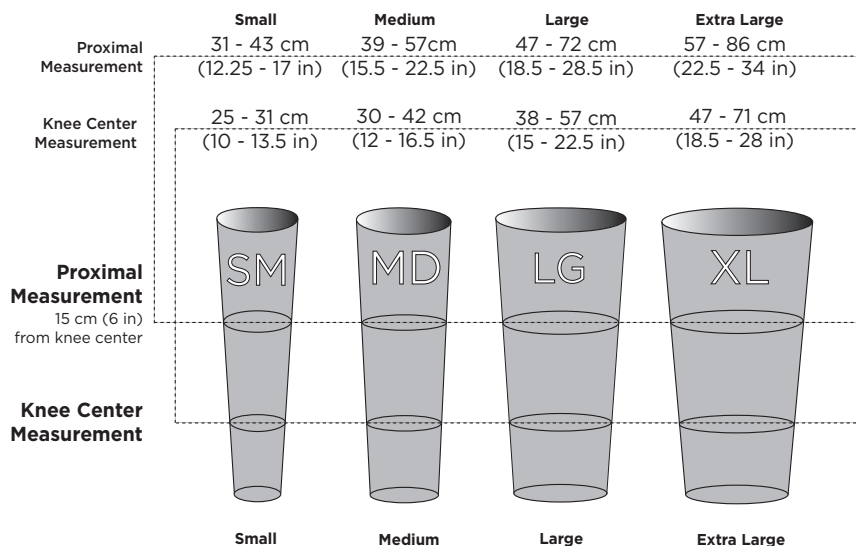
Unique among WillowWood's sleeve products, the 'fins' on the One Sleeve establish an airtight seal between the flexible inner socket and the laminated socket when used as part of the WillowWood One TT System.



Ordering Guidelines: One Sleeve

SIZING GUIDE

Please refer to the illustrations for recommendations for fitting the One Sleeve.



PRODUCT COLOR Gray

SLEEVE GEL THICKNESS 2 mm

L-CODE SUGGESTIONS L5685

WARRANTY 3 months from date of patient fitting

ITEM NUMBERS

Product	Item #
One Sleeve, Small	ONE-SLEEVE-TT-SM
One Sleeve, Medium	ONE-SLEEVE-TT-MD
One Sleeve, Large	ONE-SLEEVE-TT-LG
One Sleeve, Extra Large	ONE-SLEEVE-TT-XL

WillowWood One Accessories

FABRICLESS ALPHA SMARTTEMP® LINER **



The fabric-free Alpha SmartTemp AK Liner was specifically designed for use with the WillowWood One TF system. Alpha Silicone® is combined with the heat management technology of Outlast® to delay the onset of sweat. The liner's symmetrical 4.5 mm profile retrofits with the Alpha Duo Liner. A One Gel Sock is included. Must be WillowWood One certified to order.

WARRANTY 12 months from date of patient fitting

TRIAL PERIOD 30 days from date of patient fitting

ITEM NUMBERS

Product	Item #
Fabricless SmartTemp Liner with One Gel Sock, Medium Plus	T990-1944
Fabricless SmartTemp Liner with One Gel Sock, Large	T990-1946
Fabricless SmartTemp Liner with One Gel Sock, Large Plus	T990-1948
Fabricless SmartTemp Liner with One Gel Sock, Extra Large	T990-1947

ALPHA DUO® LINER



The fabric-free Alpha Duo Liner features Alpha Classic gel on the interior with durable Alpha Silicone on the exterior. The symmetrical 4.5 mm profile retrofits with the fabricless Alpha SmartTemp AK Liner. The Alpha Duo Liner includes a One Gel Sock. The liner may be used in both the transfemoral and transtibial versions of the WillowWood One system.

WARRANTY 12 months from date of patient fitting

TRIAL PERIOD 30 days from date of patient fitting

ITEM NUMBERS

Product	Item #
Duo Liner with One Gel Sock, Medium (<i>WillowWood One TT only</i>)	D990-1940
Duo Liner with One Gel Sock, Medium Plus	D990-1944
Duo Liner with One Gel Sock, Large	D990-1946
Duo Liner with One Gel Sock, Large Plus	D990-1948
Duo Liner with One Gel Sock, Extra Large	D990-1947

GEL SOCK



The One Gel Sock uses MAX fabric and has a thin layer of silicone on its interior. The sock protects a fabricless liner's exterior from premature wear, acts as an air wick, and allows vacuum to establish within a socket. Intended for use with the Alpha Duo Liner and the fabricless Alpha SmartTemp AK Liner.

WARRANTY 12 months from date of patient fitting

ITEM NUMBERS

Product	Item #
One Gel Sock, Replacement, Medium (<i>WillowWood One TT only</i>)	ONE-SOCK-MD
One Gel Sock, Replacement, Medium Plus	ONE-SOCK-MP
One Gel Sock, Replacement, Large	ONE-SOCK-LG
One Gel Sock, Replacement, Large Plus	ONE-SOCK-LP
One Gel Sock, Replacement, Extra Large	ONE-SOCK-XL

** Requires WillowWood One certification to order.

WillowWood One Accessories

LIMBLOGIC® EXPULSION VALVE



Composed of a base, a one-way valve, and a release plug, the LimbLogic Expulsion Valve creates an easier donning and doffing process for an amputee using elevated vacuum. The valve, designed for transfemoral applications, is to be used in laminated sockets.

PRODUCT WEIGHT	15 g
PATIENT WEIGHT LIMIT*	350 lb (160 kg) for U.S. Activity Levels 1-3 300 lb (135 kg) for U.S. Activity Level 4

WARRANTY	12 months from date of patient fitting
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ITEM NUMBERS

Product	Item #
LimbLogic® Expulsion Valve	LLV-EV

ALIGNMENT BUTTONS **



Alignment buttons aid in consistent donning and orientation of the WillowWood One TF System. The buttons provide a physical lock between the removable brim and the definitive socket.

PATIENT WEIGHT LIMIT*	350 lb (160 kg) for U.S. Activity Level 3; 300 lb (136 kg) for U.S. Activity Level 4
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ITEM NUMBERS

Product	Item #
Alignment Buttons, Replacement, Qty: 3	ONE-AB3

ONE SEAL **



The One Seal features 'fins' that create an airtight seal between the liner and the definitive socket. As part of the WillowWood One TF system, the silicone One Seal accommodates limb motion while maintaining a secure, airtight socket.

WARRANTY	12 months from date of patient fitting
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ITEM NUMBERS

Product	Item #
One Seal, Replacement, Medium Plus	ONE-SEAL-MP
One Seal, Replacement, Large	ONE-SEAL-LG
One Seal, Replacement, Large Plus	ONE-SEAL-LP
One Seal, Replacement, Extra Large	ONE-SEAL-XL

* Body weight plus any loads normally or routinely carried cannot exceed this weight limit.

** Requires WillowWood One certification to order.

WillowWood One Accessories

ONE TT FABRICATION KIT



Use this kit when fabricating a suction version of the WillowWood One TT system. The kit includes: One Sleeve Dummy, 4-Hole Adapter, One Link Base, Screw Anchor, One Link Dummy, Screw, Poron Filter, Flange Bolt, One Link Nut, One Link Cap with O-Ring, Suction Pyramid (700-SP471), Stainless Steel M6x16 Flathead Cap Screws (4), and a Foam Muffler. The size of the fabrication kit ordered should correspond with the size of the One Sleeve used in the WillowWood One TT system.

PATIENT WEIGHT LIMIT* 350 lb (160 kg) for U.S. Activity Levels 1-3
300 lb (135 kg) for U.S. Activity Level 4

WARRANTY 12 months from date of patient fitting
ITEM NUMBERS

Product	Item #
One TT Fabrication Kit, Small	ONE-TT-FABKIT-SM
One TT Fabrication Kit, Medium	ONE-TT-FABKIT-MD
One TT Fabrication Kit, Large	ONE-TT-FABKIT-LG
One TT Fabrication Kit, Extra Large	ONE-TT-FABKIT-XL

ONE LINK



The One Link locks the inner flexible socket and definitive socket together to assist with the security of the WillowWood One TT system.

PRODUCT WEIGHT 8.5 g

PATIENT WEIGHT LIMIT* 350 lb (160 kg) for U.S. Activity Levels 1-3
300 lb (135 kg) for U.S. Activity Level 4

WARRANTY 12 months from date of patient fitting

ITEM NUMBERS

Product	Item #
One Link, Replacement	ONE-TT-LINKKIT-R

TITANIUM SUCTION PYRAMID



The Titanium Suction Pyramid has a one-way air expulsion valve contained within a four-hole pyramid adapter. The pyramid is recommended for use in suction applications of the WillowWood One TT systems.

L-CODE SUGGESTIONS L5647 or L5652

PRODUCT WEIGHT 64 g

PATIENT WEIGHT LIMIT* 250 lbs (115 kg)

WARRANTY 12 months from date of patient fitting

ITEM NUMBERS

Product	Item #
Titanium Suction Pyramid	700-SP471

* Body weight plus any loads normally or routinely carried cannot exceed this weight limit.

