



**VA DENVER LOGISTICS CENTER (DLC)** 

# ARTIFICIAL LIMBS

LOWER EXTREMITIES CATALOG 2020

CONTRACT NO: VA791-17-D-0023





## ARTIFICIAL LIMBS

### LOWER EXTREMITIES CATALOG

Available through VA Denver Logistics Center (DLC)

#### **CONTRACT NO:**

VA791-17-D-0023

Orders may be placed through the DLC Remote Order Entry System (ROES) online ordering application. Contact DLC IT Support at 303-273-6260.





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#### **Frontline Medical Services**

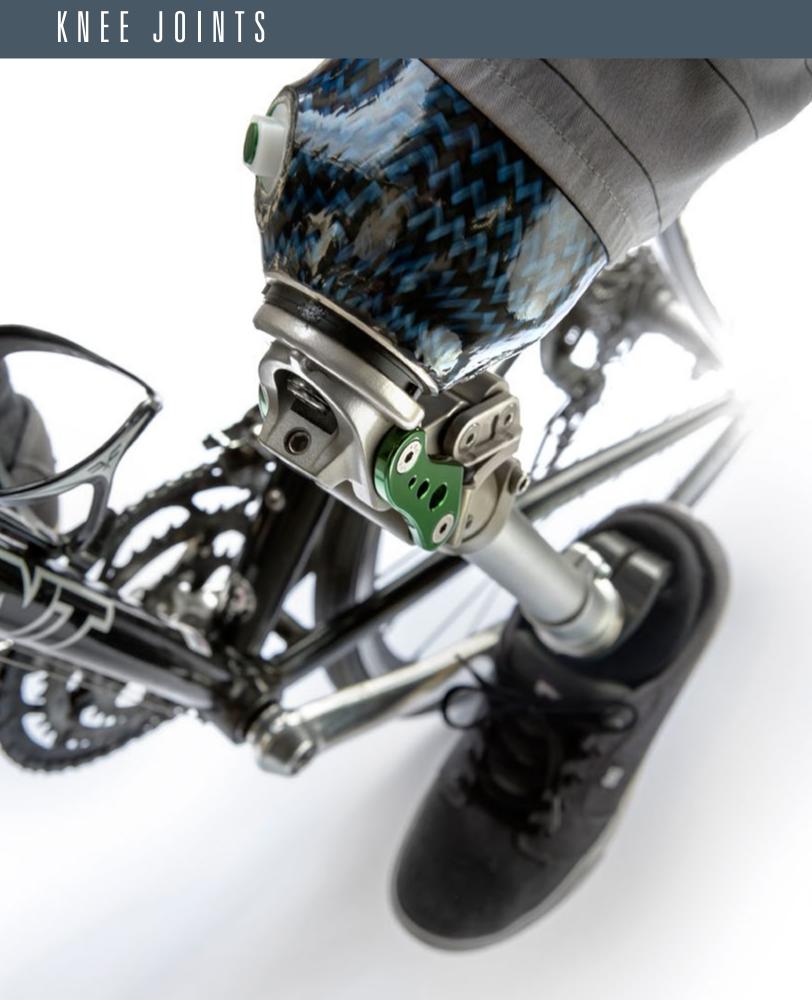
200 South Wilcox Street #177 | Castle Rock, CO 80104 Ph: 866-681-0444 | Fax Orders: 720-221-0677 Email: info@frontlinemedicalmil.com

Frontline Medical Services is a Preferred Partner with ST&G USA Corporation

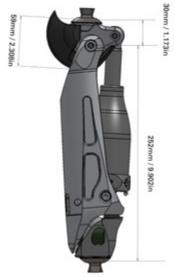


## CONTENTS

I. KI	NEE JOINTS
,	VGK-125 VGK Prosthetic Knee5
:	<b>2SR500</b> SENSOR Hydraulic Swing and Stance Phase Control Knee
	M0703 DOLPHIN KNEE Hydraulic Single Axis Knee7
1	M0780 / M0786 SWAN KNEE Hydraulic Stance Flexion Polycentric Knee
	<b>1323</b> Stance Flexion 5-Bar Pneumatic Knee9
	<b>1322</b> Polycentric Pneumatic 4-Bar Knee
	L1322 Polycentric Pneumatic 4-Bar Knee with Manual Lock
	LM0780 / LM0786 SWAN KNEE Hydraulic Stance Flexion Polycentric Knee with Manual Lock 12
	1341 Safe Stride Knee
	<b>1324</b> Stance Flexion 5-Bar Mechanical Knee
	L1324 Stance Flexion 5-Bar Mechanical Knee with Manual Lock
	<b>1321</b> Polycentric 4-Bar Knee
	L1321 Polycentric 4-Bar Manual Locking Knee
	<b>1326</b> 4-Bar Knee for AK and KD
	<b>1311</b> Weight Activated Brake Knee
	<b>1313A</b> Manual Locking Knee / Type A
	<b>1313A-N</b> Manual Locking Knee / Type B
	<b>1312</b> Mechanical 4-Bar Knee
	<b>1318</b> Single Axis Knee with Manual Lock
II. LI	NERS
;	<b>3030 / 3050</b> HYDRO MAGLiners – Transtibial / Transfemoral
;	<b>3040 / 3060</b> PREMIER MAGLiners – Transtibial / Transfemoral
;	<b>3010 / 3090</b> FORTE Transtibial / Transfemoral
;	<b>3020 / 3070</b> PARASIL Transtibial / Transfemoral
III. P	ROSTHETIC FEET
	<b>1114</b> Toe Flex
	<b>1115</b> Endurance Low Profile
	<b>1116</b> Endurance
	<b>1106</b> EZ-Step Foot
	<b>1109</b> Motion Step Foot
IV. T	ORQUE VALUES
	TRI WRENCH ST&G 3-Way Allen Wrench







11" from base to top

#### **VGK-125**

#### VGK PROSTHETIC KNEE

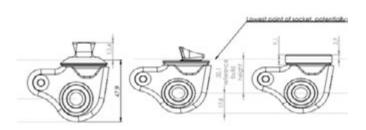
Hydraulic Vortex Controlled Swing and Stance Phase Prosthetic Knee with Stumble Recovery

- Dynamic stability for standing and loading of a flexed knee
- No electronics yet performs like an MPK
- Advanced stumble recovery
- Flexion yield thru 90 degrees
- Additional extra carrying load variance, independent of amputee weight of 15kg / 35lbs
- Auto-compensated for varying shoe gear
- Waterproof up to 1m / 3ft
- Patient manual control of 3 functional modes: walking / lock with high resistance / cycling with flexion lock
- Multiple proximal adapters

#### Suggested HCPCS code(s)

- L5828\* + L5845\* + L5925\* + L5999\*
  - \*Currently under review with CMS.
- Visit our website at www.stngco.com for updates





Pyramid Adapter

KD Adapter

Threaded Connector

P/N	VGK 125P Pyramid Adapter	VGK 125KD KD Adapter	VGK 125M Threaded Connector
Weight Limit	125kg / 275lbs	125kg / 275lbs	125kg / 275lbs
Build Height	282mm	282mm	282mm
Knee Center to Mid Dome	29mm	30.1mm	30.1mm
Knee Flexion	155 Degrees	155 Degrees	155 Degrees
Product Weight	1400g	1400g	1400g
Material	Aluminum	Aluminum	Aluminum
Warranty	2 years	2 years	2 years



#### 2SR500

SENSOR — HYDRAULIC SWING AND STANCE PHASE CONTROL KNEE

The Sensor Knee is versatile in performance and highly adjustable. The weight activated hydraulic system of the Sensor Knee is reliable and can be adapted with a range of adjustments to suit the new amputee from the first stages of rehabilitation right through to optimum ability.

#### **Features and benefits**

- Lightweight aluminum
- Hydraulic swing and stance phase control
- Excellent stability on stairs and uneven surfaces
- Adjustable flexion resistance, sensitivity and yield
- Terminal impact dampener



P/N	2SR500 Female Adapter	
Weight Limit	125kg / 275lbs	
Build Height	276mm	
Knee Flexion	120 Degrees	
Product Weight	1141g	
Material	Aluminum	
Warranty	2 year	

P/N	6PC508 Pyramid Adapter	
Weight Limit	125kg	
Product Weight	75g	





#### M0703

#### DOLPHIN KNEE – HYDRAULIC SINGLE AXIS KNEE

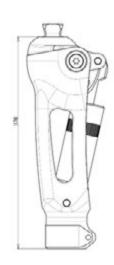
- Hydraulic cylinder giving the ease of pre-swing performance influences the smoothness of the gait
- Extremely stable knee axle position
- Very light weight, slim and compact
- Independent flexion and extension
- Adjustable hydraulic flexion and extension resistance
- Extension assist

- L5828
- To download PDAC Letter please visit our website at www.stngco.com



P/N	M0703	
Weight Limit 100kg / 220 lbs		
Build Height	142mm	
Knee Center to Mid Dome	16mm	
Knee Flexion 180 Degrees		
Product Weight	495g	
Material Aluminum		
Warranty 2 year		

Torque Value	Torque (Nm)	Hex (mm)
M5 Cap Screw	8 Nm	4mm wrench





SWAN 75 M0780



SWAN 100 M0786

#### M0780 / M0786

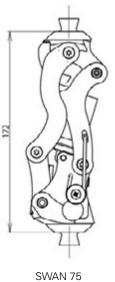
SWAN KNEE - HYDRAULIC STANCE FLEXION POLYCENTRIC KNEE

- Polycentric 5-bar knee design
- Hydraulic flexion adjustment
- Low profile knee center and build-height
- Adjustable stance flexion resistance
- Adjustable extension assist
- Adjustable flexion resistance

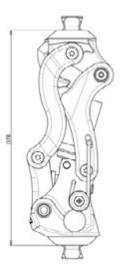
- L5613 + L5850
- To download PDAC Letter please visit our website at www.stngco.com

LLING K1 K2 K3 K	<
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P/N	M0780 SWAN 75	M0786 SWAN 100
Weight Limit	75kg / 165lbs	125kg / 275lbs
Build Height	164mm	170mm
Knee Center to Mid Dome	14.5mm	14mm
Knee Flexion	150 Degrees	150 Degrees
Product Weight	670g	840g
Material	Aluminum	Aluminum
Warranty	2 year	2 year





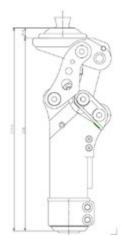


SWAN 100 M0786





Lotus Adapter



#### 1323

#### STANCE FLEXION 5-BAR PNEUMATIC KNEE

- Pneumatic cylinder with independent flexion extension adjustment for swing phase
- Optional Adapters: Pyramid (AK) and Lotus (KD)
- All axes have built-in bearing which allow for ultra smooth walking movement
- Extensive alignment adjusting abilities for a smooth and natural gait pattern
- Polycentric knee with stance flexion control for maximum safety during stance
- Best suited to be used for low to moderate K3 level
- Practitioner adjustable from high to low stability stance flexion
- Proximal attachment has 2mm of A/P, M/L slide and rotation adjustment
- Up to 12 degrees of stance flexion
- Adjustable extension assist

- L5840 + L5845 + L5850
- To download PDAC Letter please visit our website at www.stngco.com



P/N	1323AP Pyramid Adapter	1323AL Lotus Adapter
Weight Limit	125kg / 275lbs	125kg / 275lbs
Build Height	177.5mm	183.8mm
Knee Center to Mid Dome	24mm	30.3mm
Knee Flexion	135 Degrees	135 Degrees
Product Weight	976g	998g
Material	Aluminum	Aluminum
Warranty	2 years	2 years

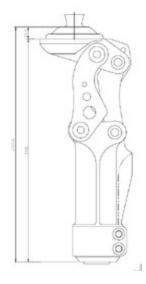
	REPLACEMENT PARTS
P/N	Description
PA13	Pyramid Adapter for: L1321, 1321,1322,1323,1324 and 1326
LA13	Lotus Adapter for: L1321, 1321,1322,1323,1324 and 1326

Torque Value	Torque (Nm)	Hex (mm)
M6 Cap Screw (Tube Clamp Torque Setting)	12 Nm	5mm wrench
M10 Bolt (Pyramid Center Bolt)	18 Nm	8mm wrench





Lotus Adapter



#### 1322

#### POLYCENTRIC PNEUMATIC 4-BAR KNEE

- Polycentric knee joint with pneumatic swing control
- Independent flexion / extension adjustment
- Built-in bearings which allow for ultra smooth walking movement
- Frame construction made of superlight aluminum alloy
- Proximal attachment has 2mm of A/P, M/L slide and rotation adjustment
- Adjustable extension assist
- Optional Adapters: Pyramid (AK) and Lotus (KD)

- L5840 + L5850
- To download PDAC Letter please visit our website at www.stngco.com



P/N	1322AP Pyramid Adapter	1322AL Lotus Adapter
Weight Limit	125kg / 275lbs	125kg / 275lbs
Build Height	172mm	178.3mm
Knee Center to Mid Dome	22.7mm	29mm
Knee Flexion	135 Degrees	135 Degrees
Product Weight	875g	897g
Material	Aluminum	Aluminum
Warranty	2 years	2 years

	REPLACEMENT PARTS		
P/N	Description		
PA13	Pyramid Adapter for: L1321, 1321,1322,1323,1324 and 1326		
LA13	Lotus Adapter for: L1321, 1321,1322,1323,1324 and 1326		

Torque Value	Torque (Nm)	Hex (mm)
M6 Cap Screw (Tube Clamp Torque Setting)	12 Nm	5mm wrench
M10 Bolt (Pyramid Center Bolt)	18 Nm	8mm wrench





#### L1322

#### POLYCENTRIC PNEUMATIC 4-BAR KNEE WITH MANUAL LOCK

The L1322 manual locking 4-bar polycentric knee joint with pneumatic swing control is best suited to be used for K2 to moderate K3 level activity and high need for safety. The frame construction is made of superlight aluminum alloy and the 4-bar linkage is made of aircraft alloy (AA7075).

- 4-bar polycentric knee joint with pneumatic swing control
- Manual glide lock mechanism provides security
- Independent flexion / extension adjustment
- Built-in bearings which allow for ultra smooth walking movement
- Frame construction made of superlight aluminum alloy
- Adjustable extension assist
- Provides secure safety when standing for long periods of time, tight confines, or uneven ground

- L5840 + L5850 + L5925
- To download PDAC Letter please visit our website at www.stngco.com



P/N	L1322	
Weight Limit	125kg / 275lbs	
Build Height	169.3mm	
Knee Center to Mid Dome	28mm	
Knee Flexion	135 Degrees	
Product Weight	875g	
Material	Aluminum	
Warranty	2 years	

Torque Value	Torque (Nm)	Hex (mm)
M6 Cap Screw (Tube Clamp Torque Setting)	12 Nm	5mm wrench



SWAN 75 LM0780



SWAN 100 LM0786

#### LM0780 / LM0786

SWAN KNEE — HYDRAULIC STANCE FLEXION POLYCENTRIC KNEE WITH MANUAL LOCK

- Polycentric 5-bar knee design
- Manual Locking Knee
- Hydraulic flexion adjustment
- Adjustable stance flexion resistance
- Adjustable extension assist
- Low profile knee center and build-height

#### Suggested L code(s)

- L5845 + L5613 + L5850 + L5925
- Pending PDAC approval. Visit our website at www.stngco.com for updates.

P/N	LM0780	LM0786
Weight Limit	75kg / 165lbs	125kg / 275lbs
Product Weight	675g	940g
Warranty	2 year	2 year



Stance flexion adjustment to allow controlled partial knee flexion.





#### 1341

#### SAFE STRIDE KNEE

- Geometrically aligned 4-bar knee with stance locking feature
- Incorporates pneumatic swing phase control
- Independent flexion / extension adjustment
- Provides a high degree of safety
- Frame constructed of superlight aluminum alloy
- Proximal attachment has adjustable internal / external rotation

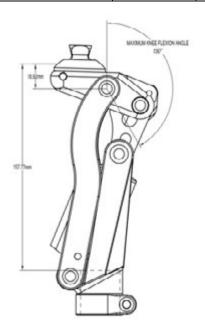
#### Suggested HCPCS code(s)

- L5840\* + L5850\* (\*Product Code up for Review)
- Pending PDAC approval. Visit our website at www.stngco.com for updates.



P/N	1341AP	
Weight Limit	100kg / 220lbs	
Build Height	156.6mm	
Knee Center to Mid Dome	16mm	
Knee Flexion	150 Degrees	
Product Weight	900g	
Material	Aluminum/Titanium	
Warranty	2 years	

Torque Value	Torque (Nm)	Hex (mm)
M6 Cap Screw (Tube Clamp Torque Setting)	12 Nm	5mm wrench







#### 1320

### PNEUMATIC SINGLE AXIS KNEE WITH WEIGHT ACTIVATED LOCK

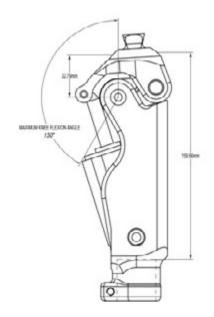
- Single axis knee with pneumatic swing control
- Weight activated stance lock
- Independent flexion / extension swing adjustment
- Provides a high degree of safety
- Frame constructed of superlight aluminum alloy

- L5822
- To download PDAC Letter please visit our website at www.stngco.com



P/N	1320A	
Weight Limit	100kg / 220lbs	
Build Height	160mm	
Knee Center to Mid Dome	33mm	
Knee Flexion	150 Degrees	
Product Weight	630g	
Material	Aluminum/Titanium	
Warranty	2 years	

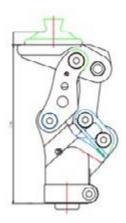
Torque Value	Torque (Nm)	Hex (mm)
M6 Cap Screw (Tube Clamp Torque Setting)	12 Nm	5mm wrench







Lotus Adapter



#### 1324

#### STANCE FLEXION 5-BAR MECHANICAL KNEE

- Very stable 5-bar knee with up to 12 degrees of stance flexion for maximum safety during stance
- Optional Adapters: Pyramid (AK) and Lotus (KD)
- Can be used for either above knee or knee disarticulation
- All axes have built-in bearing which allow for ultra smooth walking movement
- Extensive alignment adjusting abilities for a smooth and natural gait pattern
- Best suited to be used for K2 level
- Practitioner adjustable from high to low stability stance flexion
- Proximal attachment has 2mm of A/P, M/L slide and rotation adjustment
- Up to 12 degrees of stance flexion
- The frame construction is made of superlight aluminum alloy and the 5-bar linkage is made of aircraft alloy

- L5611 + L5845 + L5850
- To download PDAC Letter please visit our website at www.stngco.com



P/N	1324AP Pyramid Adapter	1324AL Lotus Adapter
Weight Limit	125kg / 275lbs	125kg / 275lbs
Build Height	112mm	118.3mm
Knee Center to Mid Dome	23.5mm	29.8mm
Knee Flexion	135 Degrees	135 Degrees
Product Weight	789g	801g
Material	Aluminum	Aluminum
Warranty	2 years	2 years

	REPLACEMENT PARTS		
P/N	Description		
PA13	Pyramid Adapter for: L1321, 1321,1322,1323,1324 and 1326		
LA13	Lotus Adapter for : L1321, 1321,1322,1323,1324 and 1326		

Torque Value	Torque (Nm)	Hex (mm)
M6 Cap Screw (Tube Clamp Torque Setting)	12 Nm	5mm wrench
M10 Bolt (Pyramid Center Bolt)	18 Nm	8mm wrench





Lotus Adapter



#### L1324

#### STANCE FLEXION 5-BAR MECHANICAL KNEE WITH MANUAL LOCK

- Very stable 5-bar knee with up to 12 degrees of stance flexion for maximum safety during stance
- Constant friction adjustment for swing phase
- Practitioner adjustable from high to low stability stance flexion
- Proximal attachment has 2mm of A/P, M/L slide and rotation adjustment
- Up to 12 degrees of stance flexion
- Lock mechanism can also be disabled at a later time to provide free swing knee function
- Best suited to be used for K1/K2 Level
- The frame construction is made of superlight aluminum alloy and the 5-bar linkage is made of aircraft alloy

- L5611 + L5845 + L5850 + L5925
- To download PDAC Letter please visit our website at www.stngco.com



P/N	L1324AP Pyramid Adapter	L1324AL Lotus Adapter	
Weight Limit	125kg / 275lbs	125kg / 275lbs	
Build Height	112mm	118.3mm	
Knee Center to Mid Dome 23.5mm		29.8mm	
Knee Flexion	135 Degrees	135 Degrees	
Product Weight	848g	861g	
Material Aluminum		Aluminum	
Warranty	2 years	2 years	

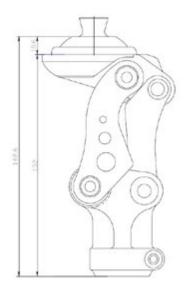
REPLACEMENT PARTS		
P/N	Description	
PA13	Pyramid Adapter for: L1321, 1321,1322,1323,1324, L1324 and 1326	
LA13	Lotus Adapter for: L1321, 1321,1322,1323,1324, L1324 and 1326	
LY13	Lanyard for Manual Locking Knee	

Torque Value	Torque (Nm)	Hex (mm)
M6 Cap Screw (Tube Clamp Torque Setting)	12 Nm	5mm wrench
M10 Bolt (Pyramid Center Bolt)	18 Nm	8mm wrench





Lotus Adapter



#### 1321

#### **POLYCENTRIC 4-BAR KNEE**

- Polycentric knee
- Constant friction swing phase control
- Frame construction is made of superlight aluminum alloy
- 4-bar linkage is made of aircraft alloy (AA7075)
- Proximal attachment has 2mm of A/P, M/L slide and rotation adjustment
- Optional Adapters: Pyramid (AK) and Lotus (KD)

- L5611 + L5850
- To download PDAC Letter please visit our website at www.stngco.com



P/N	1321AP Pyramid Adapter	1321AL Lotus Adapter	
Weight Limit	Weight Limit 125kg / 275lbs		
Build Height	108mm	114.3mm	
Knee Center to Mid Dome 23mm		29.3mm	
Product Weight	651g	672g	
Material	Material Aluminum		
Warranty	2 years	2 years	

REPLACEMENT PARTS		
P/N	Description	
PA13	Pyramid Adapter for: L1321, 1321,1322,1323,1324 and 1326	
LA13	Lotus Adapter for: L1321, 1321,1322,1323,1324 and 1326	

Torque Value	Torque (Nm)	Hex (mm)
M6 Cap Screw (Tube Clamp Torque Setting)	12 Nm	5mm wrench
M10 Bolt (Pyramid Center Bolt)	18 Nm	8mm wrench

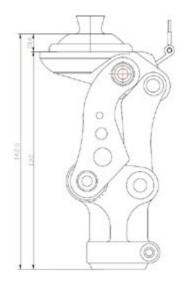




Lotus Adapter



Lanyard for Manual Locking Knee



#### L1321

#### POLYCENTRIC 4-BAR MANUAL LOCKING KNEE

- Manual locking polycentric knee
- Lanyard lock mechanism can be disabled at a later time to convert to a non-locking free swing knee
- Provides a high degree of safety
- Frame construction is made of superlight aluminum alloy
- 4-bar linkage is made of aircraft alloy (AA7075)
- Proximal attachment has 2mm of A/P, M/L slide and rotation adjustment
- Optional Adapters: Pyramid (AK) and Lotus (KD)

- L5850 + L5611 + L5925
- To download PDAC Letter please visit our website at www.stngco.com



P/N	L1321AP Pyramid Adapter	L1321AL Lotus Adapter
Weight Limit	125kg / 275lbs	125kg / 275lbs
Build Height	108mm	114.3mm
Knee Center to Mid Dome	Center to Mid Dome 23mm	
Product Weight	651g	672g
Material	Material Aluminum	
Warranty	2 years	2 years

REPLACEMENT PARTS		
P/N	Description	
PA13	Pyramid Adapter for: L1321, 1321,1322,1323,1324 and 1326	
LA13	Lotus Adapter for: L1321, 1321,1322,1323,1324 and 1326	
LY13	Lanyard for Manual Locking Knee	

Torque Value	Torque (Nm)	Hex (mm)
M6 Cap Screw (Tube Clamp Torque Setting)	12 Nm	5mm wrench
M10 Bolt (Pyramid Center Bolt)	18 Nm	8mm wrench





Lotus Adapter

#### 1326

#### 4-BAR KNEE FOR AK AND KD

- Polycentric 4-bar knee
- Constant friction swing phase control
- Best suited for low activity level
- Provides a high degree of safety
- Frame construction is made of superlight aluminum alloy
- Proximal attachment has 2mm of A/P, M/L slide and rotation adjustment
- Optional Adapters: Pyramid (AK) and Lotus (KD)

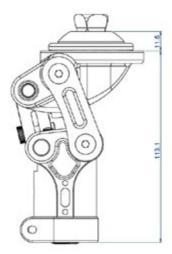
- L5611 + L5850
- To download PDAC Letter please visit our website at www.stngco.com

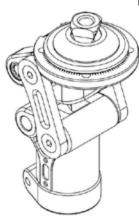


P/N	1326AP Pyramid Adapter	1326AL Lotus Adapter
Weight Limit	100kg / 220lbs	100kg / 220lbs
Build Height	87.3mm	93.6mm
Knee Center to Mid Dome	23mm	29.3mm
Product Weight	532g	553g
Material	Aluminum	Aluminum
Warranty	2 years	2 years

REPLACEMENT PARTS		
P/N	Description	
PA13	Pyramid Adapter for: L1321, 1321,1322,1323,1324 and 1326	
LA13	Lotus Adapter for: L1321, 1321,1322,1323,1324 and 1326	

Torque Value	Torque (Nm)	Hex (mm)
M6 Cap Screw (Tube Clamp Torque Setting)	12 Nm	5mm wrench
M10 Bolt (Pyramid Center Bolt)	18 Nm	8mm wrench









Extension Assist Kit and Cable

#### 1311

#### WEIGHT ACTIVATED BRAKE KNEE

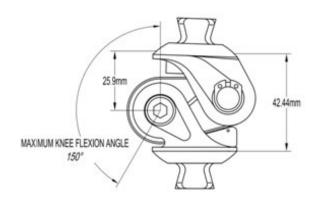
- Single axis knee
- Stance phase friction brake
- Activated by weight bearing and designed for moderate functional demands
- Also suitable for amputees with lower functional levels who desire to avoid using a manual locking knee

- L5812 + L5850
- To download PDAC Letter please visit our website at www.stngco.com

BILLING LEVEL	<b>K1</b>	<b>K2</b>	КЗ	K4
LEVEL	K1	<b>K2</b>	КЗ	K

P/N	1311T	1311\$
Weight Limit	125kg / 275lbs	125kg / 275lbs
Build Height	48mm	48mm
Knee Center to Mid Dome	21.5mm	21.5mm
Knee Flexion	150 Degrees 150 Degrees	
Product Weight	362g	532g
Material	Titanium Stainless Ste	
Warranty	1 year	1 year

	REPLACEMENT PARTS		
P/N	Description		
1311-	1311-1 Extension Assist Kit and Cable for P/N 1311		







Lanyard for Manual Locking Knee

#### 1313A

#### MANUAL LOCKING KNEE / TYPE A

- Designed for amputees with very low functional level
- Light weight manual locking knee

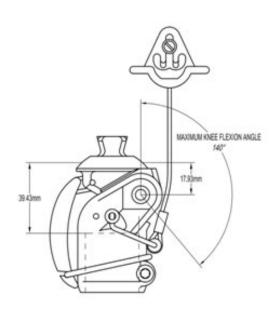
- L5811
- To download PDAC Letter please visit our website at www.stngco.com



P/N	1313A	
Weight Limit	90kg / 198lbs	
Build Height	43mm	
Knee Center to Mid Dome	19mm	
Knee Flexion	140 Degrees	
Product Weight	298g	
Material	Aluminum	
Warranty	1 year	

REPLACEMENT PARTS		
P/N	Description	
LY13	Lanyard for Manual Locking Knee	

Torque Value	Torque (Nm)	Hex (mm)
M6 Cap Screw	12 Nm	5mm wrench







Lanyard for Manual Locking Knee

#### 1313A-N

#### MANUAL LOCKING KNEE / TYPE B

- Single axis light weight manual locking knee
- Designed for beginner and elderly with low activity level
- Fully machined 7075 airplane aluminum alloy

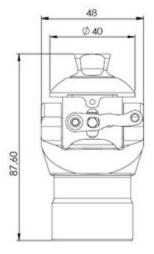
- L5811
- To download PDAC Letter please visit our website at www.stngco.com

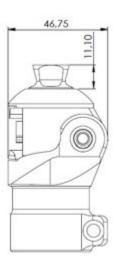


P/N	1313A-N	
Weight Limit 100kg / 220lbs		
Build Height	43.5mm	
Knee Center to Mid Dome 19mm		
Product Weight 281g		
Material Aluminum		
Warranty	2 years	

REPLACEMENT PARTS		
P/N	Description	
LY13	Lanyard for Manual Locking Knee	

Torque Value	Torque (Nm)	Hex (mm)
M6 Cap Screw	12 Nm	5mm wrench







### **1312** MECHANICAL 4-BAR KNEE

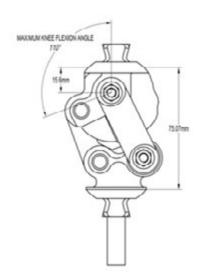
- Polycentric knee
- Frame construction is made of titanium or stainless steel
- Constant friction swing control
- Adjustable extension assist
- Adjustable 4-bar stability

#### Suggested HCPCS code(s)

- L5818\* + L5850\* (\*Product Code up for Review)
- Pending PDAC approval. Visit our website at www.stngco.com for updates

BILLING K1 K2 K3 K4

P/N	1312S
Weight Limit	125kg / 275lbs
Build Height	83mm
Knee Center to Mid Dome	16mm
Knee Flexion	110 Degrees
Product Weight	719g
Material	Stainless Steel
Warranty	1 year





#### 1318

#### SINGLE AXIS KNEE WITH MANUAL LOCK

- Single axis knee joint with adjustable manual lock
- Lower actively level
- High stance phase stability, minimal swing phase control

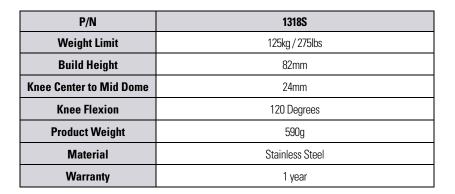
### PDAC approved HCPCS code(s) For 1318S - Stainless Steel

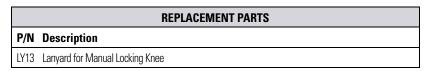
- L5810 + L5850
- To download PDAC Letter please visit our website at www.stngco.com

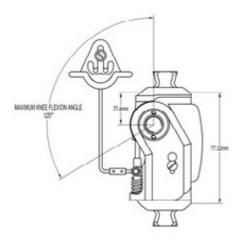
#### For 1318T - Titanium

- L5811 + L5850
- To download PDAC Letter please visit our website at www.stngco.com











Lanyard for Manual Locking Knee

# SUSPENSION SYSTEMS



### SUSPENSION SYSTEMS





MAGLiners, PREMIER & HYDRO are designed exclusively for the MAGLOCK Suspension System. The MAGLOCK eases the frustration of donning a pin lock liner for patients K1 to K3. The MAGLOCK is developed using a rare earth magnet which achieves up to 90lbs of adhesion. The large distal target allows the patient to be 10 degrees off center and still get suspension.

#### 3030 / 3050 HYDRO

MAGLINERS – TRANSTIBIAL / TRANSFEMORAL

Exclusively designed for the MAGLOCK

ST&G revolutionized the liner industry with the use of Parylene® on the surface of the silicone liner. We were also the first to encapsulate the outer cloth into the liner. We have eliminated delamination. We have designed a new cloth specially for this process.

The Hydro MAGLiner's silky smooth mineral oil embedded platinum cured medical grade silicone liner has the unique ability to repel water. This hydrophobic property makes the Hydro the easiest and fastest liner to clean and sanitize

The Parylene® surface reduces surface friction between the liner/skin and liner/socket for better comfort and donning. The Hydro MAGLiner reduces skin shear for fragile skin and will help with blister reduction. The matrix which is built into the liner prevents distal elongation and delamination.

The Hydro Skin offers proprietary donning and doffing strips to aid the patient in easier application/removal. It is suitable for moderate to high activity patients who require cushioning over sensitive areas in the socket. The Hydro Skin liner's opaque pigment gives a natural "skin tone" to all ethnic skin types.

Warranty: 6 month

#### **Transtibial**

P/N	Description	P/N	Description
3030-18	MAGLiner Hydro, 18	3030-28	MAGLiner Hydro, 28
3030-20	MAGLiner Hydro, 20	3030-30	MAGLiner Hydro, 30
3030-22	MAGLiner Hydro, 22	3030-32	MAGLiner Hydro, 32
3030-23.5	MAGLiner Hydro, 23.5	3030-34	MAGLiner Hydro, 34
3030-25	MAGLiner Hydro, 25	3030-36	MAGLiner Hydro, 36
3030-26.5	MAGLiner Hydro, 26.5		

#### **Transfemoral**

P/N	Description	P/N	Description
3050-30	MAGLiner Hydro, 30	3050-38	MAGLiner Hydro, 38
3050-32	MAGLiner Hydro, 32	3050-40	MAGLiner Hydro, 40
3050-34	MAGLiner Hydro, 34	3050-45	MAGLiner Hydro, 45
3050-36	MAGLiner Hydro, 36		



### MAGLINERS – TRANSTIBIAL / TRANSFEMORAL PREMIER – Exclusively designed for the MAGLOCK

3040 / 3060 PREMIER

This premium liner is designed for the health of the residual limb and ease of donning. Manufactured with mineral oil embedded platinum cured medical grade silicone and sheathed in a seamless durable fabric. The matrix which is built into the liner prevents distal elongation.

Warranty: 6 month

#### **Transtibial**

P/N	Description	P/N	Description
3040-18	MAGLiner Premier, 18	3040-28	MAGLiner Premier, 28
3040-20	MAGLiner Premier, 20	3040-30	MAGLiner Premier, 30
3040-22	MAGLiner Premier, 22	3040-32	MAGLiner Premier, 32
3040-23.5	MAGLiner Premier, 23.5	3040-34	MAGLiner Premier, 34
3040-25	MAGLiner Premier, 25	3040-36	MAGLiner Premier, 36
3040-26.5	MAGLiner Premier, 26.5		



P/N	Description	P/N	Description
3060-30	MAGLiner Premier, 30	3060-38	MAGLiner Premier, 38
3060-32	MAGLiner Premier, 32	3060-40	MAGLiner Premier, 40
3060-34	MAGLiner Premier, 34	3060-45	MAGLiner Premier, 45
3060-36	MAGLiner Premier, 36		

<sup>\*</sup> Using the MAGLINER with the MAGLOCK offers the lowest profile possible.



MAGLiners, PREMIER & HYDRO are designed exclusively for the MAGLOCK Suspension System. The MAGLOCK eases the frustration of donning a pin lock liner for patients K1 to K3. The MAGLOCK is developed using a rare earth magnet which achieves up to 90lbs of adhesion. The large distal target allows the patient to be 10 degrees off center and still get suspension.



## SUSPENSION SYSTEMS



#### 3010 / 3090 FORTE

TRANSTIBIAL / TRANSFEMORAL

Locking & Cushion

The Forte liner is a silicone gel liner with mineral oil embedded in the silicone providing additional healing factor to the skin. The liner is made of medical grade silicone and durable seamless fabric on the outside for easy donning and doffing application. The liner comes with cushion and locking options. It is suitable for low to moderate activity patients. The matrix which is built into the liner prevents distal elongation of the liner for locking application.

Warranty: 6 month

#### **Transtibial Locking**

P/N	Description
3010L-18	Forte Locking Liner, 18
3010L-20	Forte Locking Liner, 20
3010L-22	Forte Locking Liner, 22
3010L-23.5	Forte Locking Liner, 23.5
3010L-25	Forte Locking Liner, 25
3010L-26.5	Forte Locking Liner, 26.5
3010L-28	Forte Locking Liner, 28
3010L-30	Forte Locking Liner, 30
3010L-32	Forte Locking Liner, 32
3010L-34	Forte Locking Liner, 34
3010L-36	Forte Locking Liner, 36

#### **Transtibial Cushion**

P/N	Description
3010C-18	Forte Cushion Liner, 18
3010C-20	Forte Cushion Liner, 20
3010C-22	Forte Cushion Liner, 22
3010C-23.5	Forte Cushion Liner, 23.5
3010C-25	Forte Cushion Liner, 25
3010C-26.5	Forte Cushion Liner, 26.5
3010C-28	Forte Cushion Liner, 28
3010C-30	Forte Cushion Liner, 30
3010C-32	Forte Cushion Liner, 32
3010C-34	Forte Cushion Liner, 34
3010C-36	Forte Cushion Liner, 36



LCode: L5673

#### **Transfemoral**

P/N	Description
3090L-30	Forte Locking TF Liner, 30
3090L-32	Forte Locking TF Liner, 32
3090L-34	Forte Locking TF Liner, 34
3090L-36	Forte Locking TF Liner, 36
3090L-38	Forte Locking TF Liner, 38
3090L-40	Forte Locking TF Liner, 40
3090L-45	Forte Locking TF Liner, 45





#### Blister Reduction Comparison - Silicone vs. Parasil Silicone



#### 3020 / 3070 PARASIL

#### TRANSTIBIAL / TRANSFEMORAL

Parasil Liner offers a superior durable design for your active patient and is available in both PIN LOCKING and CUSHION.

The silky smooth Parasil Liner is designed for high performance with minimal maintenance. Made with platinum cured medical grade mineral oil embedded silicone with a Parylene® coating gives the Parasil the unique ability to repel water and lower the co-efficiency of friction. This hydrophobic property is easy to clean and sanitize leaving it odor free.

The Parylene® surface reduces surface friction between the liner/skin and liner/socket which will help in the prevention of skin shear for fragile skin and blister reduction. The Parasil offers proprietary donning and doffing strips to aid the patient in easier application/removal. It is suitable for moderate to high activity patients who require cushioning over sensitive areas in the socket. The Parasil liner's opaque pigment gives a natural "skin tone" to all ethnic skin types.

Warranty: 6 month

#### Transtibial

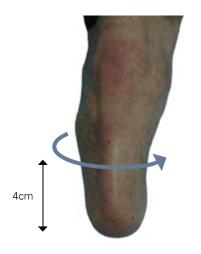
P/N	Description	P/N	Description
3020L-18	Parasil Locking Liner, 18	3020C-18	Parasil Cushion Liner, 18
3020L-20	Parasil Locking Liner, 20	3020C-20	Parasil Cushion Liner, 20
3020L-22	Parasil Locking Liner, 22	3020C-22	Parasil Cushion Liner, 22
3020L-23.5	Parasil Locking Liner, 23.5	3020C-23.5	Parasil Cushion Liner, 23.5
3020L-25	Parasil Locking Liner, 25	Parasil Locking Liner, 25 3020C-25 F	
3020L-26.5	Parasil Locking Liner, 26.5	3020C-26.5	Parasil Cushion Liner, 26.5
3020L-28	Parasil Locking Liner, 28 3020C-28		Parasil Cushion Liner, 28
3020L-30	Parasil Locking Liner, 30	3020C-30	Parasil Cushion Liner, 30
3020L-32	Parasil Locking Liner, 32	3020C-32	Parasil Cushion Liner, 32
3020L-34	Parasil Locking Liner, 34 3020C-34 Parasil Cushion		Parasil Cushion Liner, 34
3020L-36	Parasil Locking Liner, 36 3020C-36 Parasil Cushion I		Parasil Cushion Liner, 36

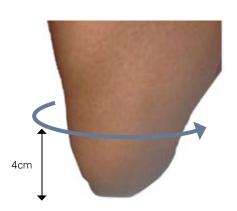
#### **Transfemoral**

P/N	Description	P/N	Description
3070L-30	Parasil Locking TF Liner, 30	3070C-30	Parasil Cushion TF Liner, 30
3070L-32	Parasil Locking TF Liner, 32	3070C-32	Parasil Cushion TF Liner, 32
3070L-34	Parasil Locking TF Liner, 34	3070C-34	Parasil Cushion TF Liner, 34
3070L-36	Parasil Locking TF Liner, 36	3070C-36	Parasil Cushion TF Liner, 36
3070L-38	Parasil Locking TF Liner, 38	3070C-38	Parasil Cushion TF Liner, 38
3070L-40	Parasil Locking TF Liner, 40	3070C-40	Parasil Cushion TF Liner, 40
3070L-45	Parasil Locking TF Liner, 45	3070C-45	Parasil Cushion TF Liner, 45

# SUSPENSION SYSTEMS

#### **HOW TO MEASURE**





#### **Transtibial Liner**

#### Step 1

Measure the circumference of the residual limb at 4cm from the distal end.

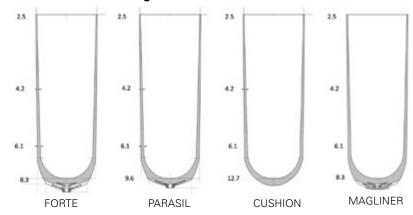
#### Step 2

Choose the liner size which corresponds to the measurement or one smaller.

#### Step 3

Never choose a liner size which is larger than the measurement.

#### **BK LINERS - Wall Averages**



#### **Transfemoral Liner**

#### Step 1

Measure the circumference of the residual limb at 4cm from the distal end.

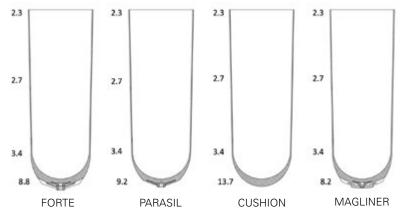
#### Step 2

Choose the liner size which corresponds to the measurement or one smaller.

#### Sten 3

Never choose a liner size which is larger than the measurement.

#### **AK LINERS - Wall Averages**





## PROSTHETIC FEET

### COMING 2020



**Patent Pending** 



Comes with foot shell, spectra sock and three interchangeable heel bumpers.

### **1114** TOE FLEX

Designed for a purpose, Toe Flex offers the functional movement of an anatomical ankle and foot. The Innovative design of the Toe Flex, promotes a functional and dynamic motion through the split carbon heel, multi-axial ankle, and independent split toe features which provides additional leverage for improved balance and smoothness during gait.

#### **Specifications:**

Sizes: 23-28cm

User Weight Rating: 125 kg (275 lbs)

Heel Height: 10 mm (3/8 in)Connector: Male pyramid

• Warranty: 24 months (shell 6 months)

#### PDAC approved HCPCS code(s)

• L5979

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	TOE FLEX BUMPER CHART								
Blue						Hardn	ess (Shore	e A) 50	
Red			Hardn	ess (Shore	e A) 40				
Yellow	Hardness (Shore A) 30								
Body Weight	50kg	60kg	70kg	80kg	90kg	100kg	110kg	120kg	125kg

P/N	TOE FLEX FOOT WITH BEIGE FOOT SHELL
1114–23L	TOE FLEX Foot with BEIGE Foot Shell, 23cm Left
1114–23R	TOE FLEX Foot with BEIGE Foot Shell, 23cm Right
1114–24L	TOE FLEX Foot with BEIGE Foot Shell, 24cm Left
1114–24R	TOE FLEX Foot with BEIGE Foot Shell, 24cm Right
1114–25L	TOE FLEX Foot with BEIGE Foot Shell, 25cm Left
1114–25R	TOE FLEX Foot with BEIGE Foot Shell, 25cm Right
1114–26L	TOE FLEX Foot with BEIGE Foot Shell, 26cm Left
1114–26R	TOE FLEX Foot with BEIGE Foot Shell, 26cm Right
1114–27L	TOE FLEX Foot with BEIGE Foot Shell, 27cm Left
1114–27R	TOE FLEX Foot with BEIGE Foot Shell, 27cm Right
1114–28L	TOE FLEX Foot with BEIGE Foot Shell, 28cm Left
1114–28R	TOE FLEX Foot with BEIGE Foot Shell, 28cm Right

P/N	BEIGE FOOT SHELL
1114-23L-SH	BEIGE Foot Shell - ONLY, 23cm Left
1114–23R–SH	BEIGE Foot Shell - ONLY, 23cm Right
1114-24L-SH	BEIGE Foot Shell - ONLY, 24cm Left
1114-24R-SH	BEIGE Foot Shell - ONLY, 24cm Right
1114-25L-SH	BEIGE Foot Shell - ONLY, 25cm Left
1114-25R-SH	BEIGE Foot Shell - ONLY, 25cm Right
1114-26L-SH	BEIGE Foot Shell - ONLY, 26cm Left
1114-26R-SH	BEIGE Foot Shell - ONLY, 26cm Right
1114-27L-SH	BEIGE Foot Shell - ONLY, 27cm Left
1114–27R–SH	BEIGE Foot Shell - ONLY, 27cm Right
1114-28L-SH	BEIGE Foot Shell - ONLY, 28cm Left
1114-28R-SH	BEIGE Foot Shell - ONLY, 28cm Right

P/N	TOE FLEX FOOT WITH BROWN FOOT SHELL
1114–23L–B	TOE FLEX Foot with BROWN Foot Shell, 23cm Left
1114–23R–B	TOE FLEX Foot with BROWN Foot Shell, 23cm Right
1114-24L-B	TOE FLEX Foot with BROWN Foot Shell, 24cm Left
1114–24R–B	TOE FLEX Foot with BROWN Foot Shell, 24cm Right
1114–25L–B	TOE FLEX Foot with BROWN Foot Shell, 25cm Left
1114–25R–B	TOE FLEX Foot with BROWN Foot Shell, 25cm Right
1114–26L–B	TOE FLEX Foot with BROWN Foot Shell, 26cm Left
1114–26R–B	TOE FLEX Foot with BROWN Foot Shell, 26cm Right
1114–27L–B	TOE FLEX Foot with BROWN Foot Shell, 27cm Left
1114–27R–B	TOE FLEX Foot with BROWN Foot Shell, 27cm Right
1114–28L–B	TOE FLEX Foot with BROWN Foot Shell, 28cm Left
1114–28R–B	TOE FLEX Foot with BROWN Foot Shell, 28cm Right

P/N	BROWN FOOT SHELL
1114-23L-B-SH	BROWN Foot Shell - ONLY, 23cm Left
1114-23R-B-SH	BROWN Foot Shell - ONLY, 23cm Right
1114-24L-B-SH	BROWN Foot Shell - ONLY, 24cm Left
1114-24R-B-SH	BROWN Foot Shell - ONLY, 24cm Right
1114-25L-B-SH	BROWN Foot Shell - ONLY, 25cm Left
1114-25R-B-SH	BROWN Foot Shell - ONLY, 25cm Right
1114-26L-B-SH	BROWN Foot Shell - ONLY, 26cm Left
1114-26R-B-SH	BROWN Foot Shell - ONLY, 26cm Right
1114-27L-B-SH	BROWN Foot Shell - ONLY, 27cm Left
1114-27R-B-SH	BROWN Foot Shell - ONLY, 27cm Right
1114-28L-B-SH	BROWN Foot Shell - ONLY, 28cm Left
1114-28R-B-SH	BROWN Foot Shell - ONLY, 28cm Right



Spectra Sock



Foot shell removal tool

P/N	SPECTRA SOCK	
1FJ-20	Spectra Sock Size 23-25	
1FJ-10	Spectra Sock Size 26-28	

P/N	FOOT SHELL REMOVAL TOOL
4200	Foot Shell Removal Tool

P/N	TOE FLEX HEEL BUMPERS	
1114–Y	Yellow Bumper	
1114–R	Red Bumper	
1114–B	Blue Bumper	

## PROSTHETIC FEET



Comes with foot shell, spectra sock and three interchangeable heel bumpers.



Foot shell removal tool

Note: When placing an order, please use the below formula.

1115-C (indicate category #)-size Lor R

Example, if you were ordering a size 25, right foot, category 3, the part number would be: 1115-C3-25R

### 1115 ENDURANCE LOW PROFILE

The Endurance LP provides a combination of comfort and dynamics to users offering natural gait with less fatigue and ultimately less strain on the lower back and sound side. The split keel and heel design enhance Eversion and Inversion compliance. The Carbon fiber construction promotes conversion of weight bearing energy input into energy output.

The Endurance LP is light-weight, simple to assemble and has a cosmesis friendly profile which makes it easy to cover.

The Endurance LP is designed for users with long residual limbs that do not have enough clearance for the Endurance.

#### Suggested LCodes: L5981, L5986

Note: The above codes are suggested codes and accurate coding lies solely with the provider treating the patient.

P/N	1115	
Catagory	2-5	
Sizes	23-28	
Weight of Foot Size 27	585g w/ Foot Cover	
Build Height of Foot Size 27	68mm w/ Foot Cover	
Heel Height	10mm	
Maximum Patient Weight	125kg	

<sup>\*</sup>Foot shell, spectra sock, wedges, heel splitter, and toe cushion included. Foot shell comes beige color only.

P/N	DISCRIPTION
1115-SH	FEndurance foot shell REPLACEMENT - Sizes 23-28

P/N	DISCRIPTION
4200	Foot Shell Removal Tool

Activity Weight	50-60kg	60-75kg	75-90kg	90-105kg	105-125kg
Low	2	2	2	3	4
Moderate	2	2	3	4	5
High	2	3	4	5	-

Size Category	2	3	4	5
23	X			
24	Х	Х		
25	X	X		
26	X	Х	X	
27		X	X	X
28			X	X



Comes with foot shell, spectra sock and three interchangeable heel bumpers.



Foot shell removal tool

Note: When placing an order, please use the below formula.

1116-C (indicate category #)-size Lor R

Example, if you were ordering a size 25, right foot, category 3, the part number would be: **1116-C3-25R** 

#### 1116 ENDURANCE

The Endurance provides a combination of comfort and dynamics to users offering natural gait with less fatigue and ultimately less strain on the lower back and sound side. The split keel and heel design enhance Eversion and Inversion compliance. The Carbon fiber construction promotes conversion of weight bearing energy input into energy output.

The Endurance is light-weight, simple to assemble and has a cosmesis friendly profile which makes it easy to cover.

#### Suggested LCodes: L5980, L5986

Note: The above codes are suggested codes and accurate coding lies solely with the provider treating the patient.

P/N	1116	
Category	2-5	
Sizes	23-28	
Weight of Foot Size 27	720g w/ Foot Cover	
Build Height of Foot Size 27	170mm w/ Foot Cover	
Heel Height	19mm and 10mm	
Maximum Patient Weight	125kg	

\*Foot shell, spectra sock, wedges, heel splitter, and toe cushion included. Foot shell comes beige color only.

	P/N	DISCRIPTION	
1115-SH Endurance foot shell REPLACEMENT -		Endurance foot shell REPLACEMENT - Sizes 23-28	

P/N	DISCRIPTION
4200	Foot Shell Removal Tool

Activity Weight	50-60kg	60-75kg	75-90kg	90-105kg	105-125kg
Low	2	2	2	3	4
Moderate	2	2	3	4	5
High	2	3	4	5	-

Size Category	2	3	4	5
23	X			
24	Х	Х		
25	Х	Х		
26	Х	Х	Х	
27		Х	X	Х
28			X	X

## PROSTHETIC FEET



#### **Foot Size Shoe Size** 22 cm 5 23 cm 6 7 24 cm 8 25 cm 9 26 cm 27 cm 10 28 cm 11 29 cm 12

#### 1106

#### **EZ-STEP FOOT**

- High-tech performance with simplicity
- Optimum flexibility and toe response
- Soft heel cushion with smooth rollover
- Easy adaptation for amputees with lower activity level

#### PDAC approved HCPCS code(s): L5972

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Warranty: 1 year

P/N	Product	Weight	Product	Build
	Description	Limit	Weight	Height
1106	EZ STEP FOOT	100kg / 220lbs	597g	83mm / 3.27in

Note: Approximate weight and build height taken on size 26

Size	Weight Limit-100kg / 220 lbs	Size	Weight Limit-100kg / 220 lbs
22 Left	1106=22L-220	26 Left	1106=26L-220
22 Right	1106=22R-220	26 Right	1106=26R-220
23 Left	1106=23L-220	27 Left	1106=27L-220
23 Right	1106=23R-220	27 Right	1106=27R-220
24 Left	1106=24L-220	28 Left	1106=28L-220
24 Right	1106=24R-220	28 Right	1106=28R-220
25 Left	1106=25L-220	29 Left	1106=29L-220
25 Right	1106=25R-220	29 Right	1106=29R-220

#### FLEXIBLE KEEL FOR K2 ACTIVITY

Integrated foam for added durability



Big heel cushion for comfort





Foot Size	Shoe Size
22 cm	5
23 cm	6
24 cm	7
25 cm	8
26 cm	9
27 cm	10
28 cm	11
29 cm	12

#### 1109

#### MOTION STEP FOOT

- Multi axial ankle motion
- Variable ankle motion resistance
- Pyramid version for ankle joint
- K1-K3 activity level foot
- Sizes: 22-27

#### Suggested L-Code: ANKLE L5986 / FOOT L5972

- K1-K2 activity level weight limit up to 125kg (275lbs)
- K3 activity level MAXIUM WEIGHT LIMIT up to 100kg (220lbs)

Warranty: 1 year

P/N	Product Description	Product Weight	Build Height
1109	Motion Step Foot	794g	60mm / 2.36in

Note: Approximate weight and build height taken on size 26. Comes with split toe.

Size	MOTION STEP Weight Limit- 60kg to80kg 132 lbs to 176 lbs	MOTION STEP Weight Limit- 80kg to100kg 176 lbs to 220 lbs	MOTION STEP Weight Limit- 100kg to125kg 220 lbs to 275 lbs
22 Left	1109=22L-176	1109=22L-220	1109=22L-275
22 Right	1109=22R-176	1109=22R-220	1109=22R-275
23 Left	1109=23L-176	1109=23L-220	1109=23L-275
23 Right	1109=23R-176	1109=23R-220	1109=23R-275
24 Left	1109=24L-176	1109=24L-220	1109=24L-275
24 Right	1109=24R-176	1109=24R-220	1109=24R-275
25 Left	1109=25L-176	1109=25L-220	1109=25L-275
25 Right	1109=25R-176	1109=25R-220	1109=25R-275
26 Left	1109=26L-176	1109=26L-220	1109=26L-275
26 Right	1109=26R-176	1109=26R-220	1109=26R-275
27 Left	1109=27L-176	1109=27L-220	1109=27L-275
27 Right	1109=27R-176	1109=27R-220	1109=27R-275

#### **REPLACEMENT Rubber Ring for Motion Step Foot**

P/N	Product Image	Weight Limit
1109SNB-Y	0	100kg / 220lbs = Yellow
1109SNB-B		125kg / 275lbs = Blue

# TORQUE VALUES



Note: Recommend apply Loctite 242 to all screws and bolt.

P/N	ТҮРЕ	Torque (Nm)	Hex (mm)
1212T, 1222T, 3212T	M6 Cap Screw	7 Nm	5mm wrench
1212MS, 1219T, 1252T/S, 1751T	M5 Cap Screw	7 Nm	4mm wrench
1212S	M6 Cap Screw	8 Nm	5mm wrench
1212A	M5 Cap Screw	6 Nm	4mm wrench
1213T	M5 Cap Screw	10 Nm	4mm wrench
1214T/S, 1221S, 1223T ,1421S	M6 Cap Screw	10 Nm	5mm wrench
1201T/S, 1202T/S, 1203T/S, 1204T/S, 1205T, 1211T/S, 1212T, 1212S, 1212MS, 1213T, 1216T/S, 1218T/S, 1219T, 1228T/S, 1229T/S, 1241T, 1252T/S, 1256T/S,1261T/S, 1262T/S, 1263T/S, 1264T/S, 1702T, 1703T, 1704T, 1705T, 1751T	M8 Set Screw (Alignment Adjustment Screw)	15 Nm	4mm wrench
1211A, 1211A-OP, 1212A	M8 Set Screw (Alignemnt Adjustment Screw)	10 Nm	4mm wrench
1214T/S, 1217T/S, 1227T, 1218T/S	M6 Flat Head Screw (Mount Screw)	10 Nm	4mm wrench
1231T/S/A	M10 Cap Screw (Attachment Bolt)	30 Nm	8mm wrench
5212T	M6 Cap Screw	10 Nm	5mm wrench
5212T	M10 Set Screw (Alignment Adjustment Screw)	20 Nm	5mm wrench
1321/L1321, 1322/1323, 1324/1326/1319, 1320/1341, 1332A	M6 Cap Screw (Tube Clamp Torque Setting)	12 Nm	5mm wrench
1321/L1321, 1322/1323, 1324/1326	M10 Bolt (Pyramid Center Bolt)	18 Nm	8mm wrench
M0703	M5 Cap Screw	8 Nm	4mm wrench
1313A, 1313A-N	M6 Cap Screw	12 Nm	5mm wrench
P313/P317	M6 Cap Screw	10 Nm	5mm wrench
P212A	M5 Cap Screw	4 Nm	4mm wrench
P212A, P211A	M6 Set Screw (Alignment Adjustment Screw)	10 Nm	3mm wrench
P231A	M8 Cap Screw (Attachment Bolt)	20 Nm	6mm wrench
3010L/3020L	Ratchet & Clutch Pin	4 Nm	7mm spanner

#### **TRI WRENCH**

ST&G 3-WAY ALLEN WRENCH

P/N	Size	
Tri Wrench	4, 5 and 6mm hex wrench size	

With the three most common hex wrenches in your hand at one time, convenience is always at hand.





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#### **Frontline Medical Services**

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