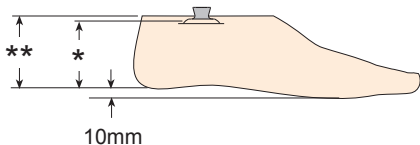
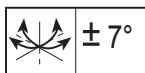
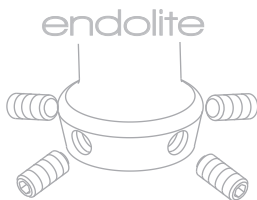




Esprit Foot

Sizes 22-30

ESP22L1 - ESP30R8



**
22-24 = 70mm
25-30 = 75mm

*
22-24 = 65mm
25-26 = 70mm
27-30 = 75mm



endolite

get busy living





Spring Set Selection *(see page 8 for ordering information)*

Note:- When making a foot selection for a **trans-femoral** or lower activity amputee, consider reducing the spring stiffness by one category to enhance the smoothness and ease of roll over.

Amputees whose daily activities include rapid walking at variable cadence over uneven terrain including sports and work activities that may include high impact aerobics, running and lifting heavy objects should be fitted with springs one category higher than shown below.

This is a guide for initial spring selection, refer to 'Fitting Advice' for final choice.

activity	Weight (kg)								spring set
	44-52	53-59	60-68	69-77	78-88	89-100	101-116	117-125	
	1	1	2	3	4	5	6	7	
	1	2	3	4	5	6	7	8	

Sizes 22-24
rated to 100kg
Sizes 25-30
rated to 125kg

Sizes 25-30 only



Low to medium variable cadence

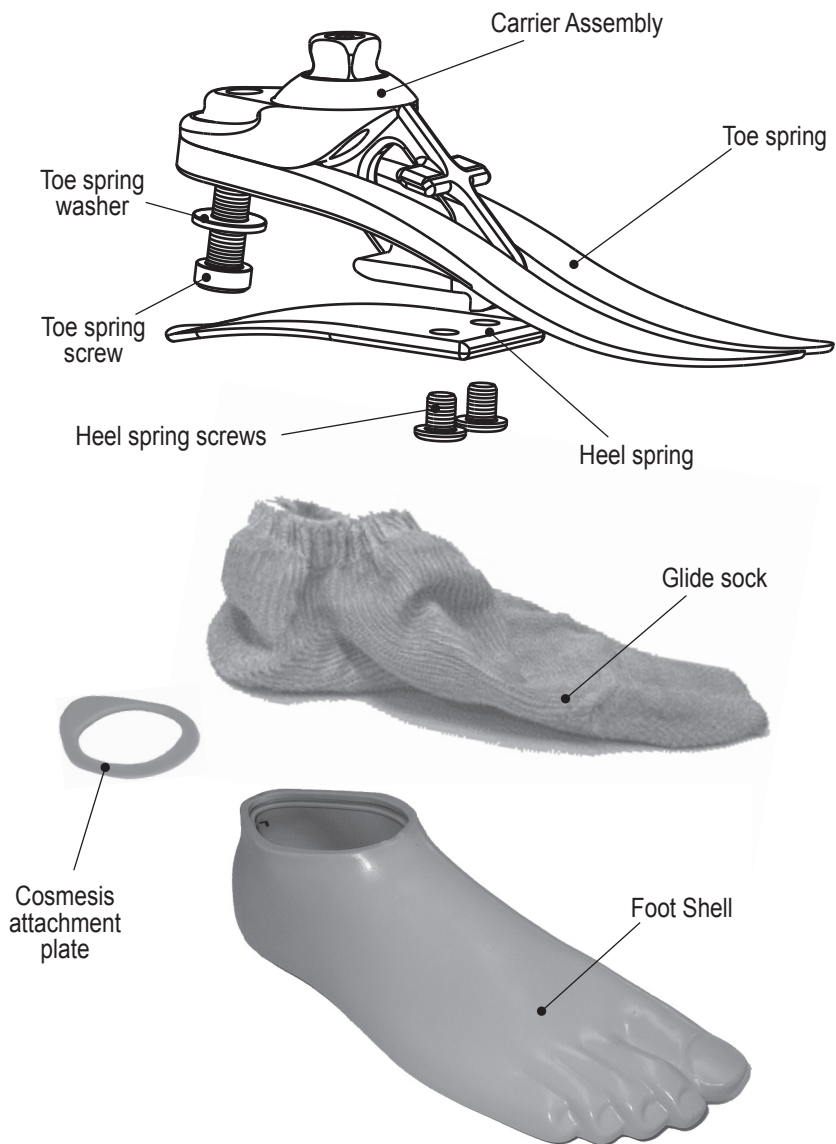
Daily activities include walking with low to medium variable cadence and negotiating most obstacles such as steps, stairs and uneven surfaces.



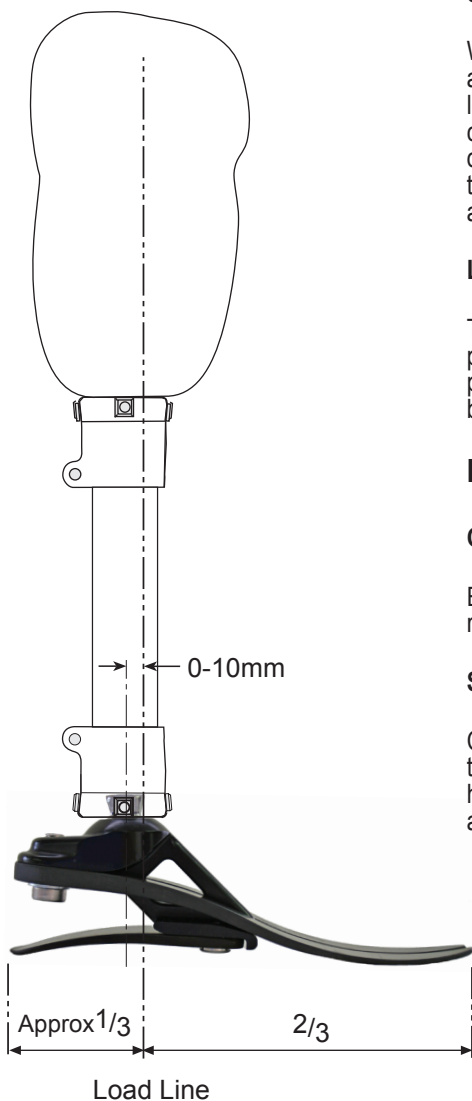
Medium to rapid variable cadence & occasional sports

Daily activities include walking with medium to rapid variable cadence over uneven terrain and negotiating most environmental obstacles encountered and sports such as golf, hiking and raquet games.

Component Identification



Alignment



Static alignment

Set Up length

With flexion, adduction and abduction properly accommodated, set the limb length 5mm longer than the sound side to allow for compression and deflection of the foot springs during gait. This should be re-assessed once the dynamic trial commences and the length adjusted accordingly.

Load Line

This should fall between the centre line of the pyramid and 10mm anterior (with heel height properly accommodated). The socket should be positioned accordingly.

Dynamic alignment

Coronal Plane

Ensure that M-L thrust is minimal by adjusting relative positions of socket and foot.

Sagittal Plane

Check for smooth transition from heel strike to toe off. Ensure also that when standing the heel and toe are **evenly loaded** and that both are **touching** the floor.

Ankle alignment note:

When using the cosmesis attachment plate with Endolite Pyramid adaptors, it may be necessary to replace the medial and lateral grub screws with the shortened items supplied to avoid any chafing of the screws against the plate. If high levels of inversion / eversion are required, the adaptor should be refitted with the original screws to ensure maximum thread engagement.

Fitting Advice

Esprit spring sets are supplied as matched pairs i.e. the heel and toe spring are designed to work together to give smooth progression for most amputees.

Heel stiffness

Progression throughout the stance phase should be smooth; heel function is key to this process:

- Too soft a heel or load line excessively posterior will result in sinking at heel strike and difficulty in getting over the toe.
- Too hard a heel or load line excessively anterior will result in a rapid progression through mid-stance or jarring at heel strike.

Heel too soft

Symptoms

- Sinking at heel strike
- Difficulty climbing over the toe (toe feels too hard)

Remedy

1. Move socket anteriorly in relation to the foot (excess movement may result in drop off) or
2. Fit a stiffer spring set

Heel too hard

Symptoms

- Rapid transition from heel strike through stance phase
- Difficulty in controlling heel action, foot jars into mid-stance
- Foot feels too rigid

Remedy

1. Move socket posteriorly in relation to foot or
2. Fit softer spring set

Please contact your supplier if it is not possible to achieve a smooth gait after following the advice above.

Maintenance

It is recommended that the following maintenance is carried out annually:

- Remove the foot shell and glide sock, check for damage or wear and replace if necessary.
- Check all screws for tightness, clean and reassemble as necessary.
- Visually check heel and toe springs for signs of delamination or wear and replace if necessary. Some minor surface damage may occur after a period of use, this does not affect the function or strength of the foot.

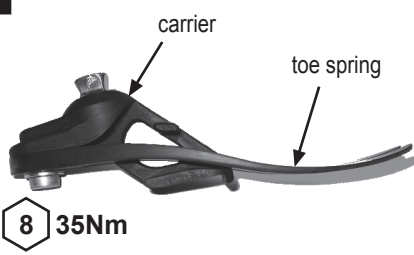
The wearer must be handed the user information card supplied, and be advised of the following:-

Any changes in performance of this device must be reported to the practitioner e.g. reduced energy return or unusual noises.

The practitioner must also be informed of any changes in body weight and/or activity level.

Assembly Instructions

1




carrier

toe spring

8 35Nm

Assemble toe spring onto carrier, use Loctite 243 (926012) and torque to 35Nm.

2



heel spring

4 15Nm

Assemble heel spring onto carrier, use Loctite 243 (926012) and torque to 15Nm.

3



Cover appropriate lines on carrier with permanent black marker to leave spring set number showing.


4



928017
Lubricate toe and heel if required. (Footshell is pre-lubricated).

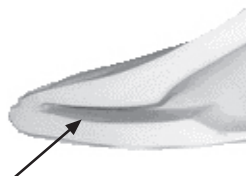
Unwrap glide sock over the carrier assembly as shown.

5



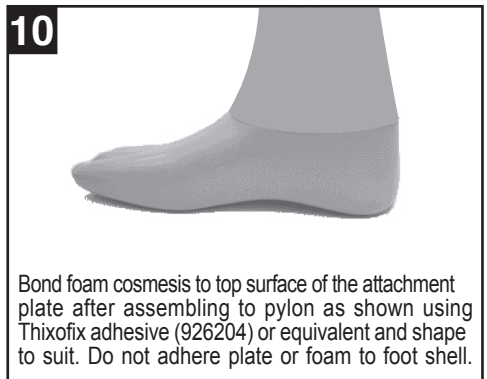
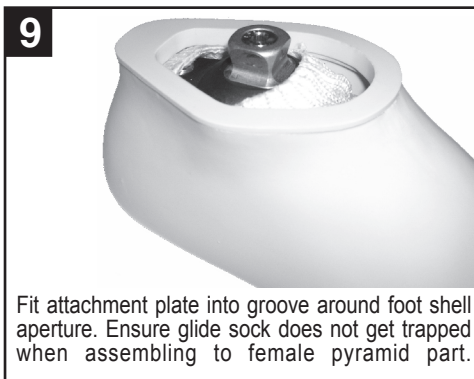
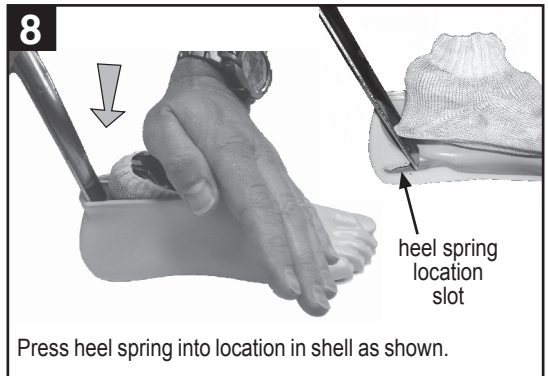
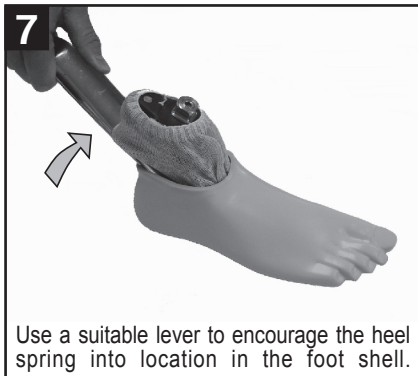
Slide carrier/heel spring assembly into the foot shell.

6



toe spring location in foot shell

Assembly Instructions *(continued)*



Dis-assembly Instructions

Ease the cosmesis attachment plate from the foot shell to gain access to the pyramid adjustment screws for adjustment or dis-assembly. Dis-assembly is the reverse of assembly.

Ordering Information:

Spring Kits

Rate	Foot sizes	Foot sizes	Foot sizes	Foot sizes
	22-24	25-26	27-28	29-30
Set 1	539801	539810	539819	539828
Set 2	539802	539811	539820	539829
Set 3	539803	539812	539821	539830
Set 4	539804	539813	539822	539831
Set 5	539805	539814	539823	539832
Set 6	539806	539815	539824	539833
Set 7		539816	539825	539834
Set 8		539817	539826	539835

Foot shell

Small	Medium	Large	Extra Large
22-24	25-26	27-28	29-30
22L 539038	25L 539044	27L 539048	29L 539052
22R 539039	25R 539045	27R 539049	29R 539053
23L 539040	26L 539046	28L 539050	30L 539054
23R 539041	26R 539047	28R 539051	30R 539055
24L 539042			
24R 539043			

Glide Sock

Sizes 22 to 26 - 531011

Sizes 27 to 30 - 532811

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