

## Clinical Evaluation Summary

CES FRE F09



### Freedom - Thrive Foot

Warranty period - 3 Years

(6 Months Foot shell)

Weight Limit - 166kg

This summary has been compiled from the results of a number of returned Clinical Evaluation forms, completed by both prosthetists and patients, and shown in an abbreviated form overleaf. It is an attempt to give an overview of the product based on our experience to date and needs to be read in conjunction with the product literature supplied by the manufacturer.

#### Evaluation Summary

This foot utilizes a dual-keel design incorporating a full-length primary keel and a secondary, load-activated keel. When an additional load (up to 30% of the user's body weight) is carried, the primary keel progressively comes into contact with the upper, secondary keel, providing incremental support.

This allows the user to achieve a normal gait pattern when not carrying a load, but to safely pick up a significant weight, and to walk with it, whilst maintaining a normal gait pattern.

#### Indications

Suited to patients in the low to very high activity categories, as defined by the Freedom activity levels  
Patients who regularly carry loads of up to 30% of their body weight, but who require to foot to remain functional when not carrying a load.

#### Contraindication

Patients whose activity categories fall below those outlined in the Freedom activity levels  
Patients who are over the weight limit, or whose weight fluctuates to such a degree that the foot function, or safety is compromised.

#### Evaluation Patients

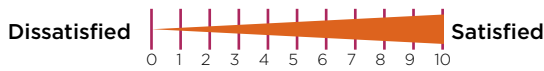
##### Patient Details

|                  |             |       |                  |                        |                  |
|------------------|-------------|-------|------------------|------------------------|------------------|
| <b>Patient 1</b> | Transtibial | 90 kg | 41 year old male | Joiner/Bricklayer      | Sigam F Moderate |
| <b>Patient 2</b> | Transtibial | 129kg | 45 year old male | Publican/Brewer        | Sigam F Moderate |
| <b>Patient 3</b> | Transtibial | 139kg | 39 year old male | Home Dad               | Sigam F Moderate |
| <b>Patient 4</b> | Transtibial | 83kg  | 17 year old male | Fisherman              | Sigam F Moderate |
| <b>Patient 5</b> | Transtibial | 89kg  | 52 year old male | Fork Lift Truck Driver | Sigam F Moderate |
| <b>Patient 6</b> | Transtibial | 84kg  | 30 year old male | Ambulance Crew         | Sigam F Moderate |

Note! When selecting the activity level for your patient, do not select Moderate based on the need to carry heavy loads alone, unless the loads regularly exceed 30% of the patient's body weight. Doing so will make the action of the foot feel unnecessarily firm.

Freedom Moderate: More active, such as fast jogging, carrying heavy loads; engaging in tennis, golf, light jogging or hiking on uneven surfaces on a regular basis.

## Evaluation Result



## Current Prescription

|                  |   |
|------------------|---|
| <b>Patient 1</b> | Laminate socket with valve and TEC liner, with Reflex VSP foot                              |
| <b>Patient 2</b> | Laminate TSB socket and Ossur Ceterus foot – replaced by Reflex Shock                       |
| <b>Patient 3</b> | Laminate TSB socket, TEC liner, with Derma Pro Flex sleeve and Trulife Cat 9 foot           |
| <b>Patient 4</b> | TSB socket over PUR cushion liner, suction sleeve and valve, and CPI Soleus foot            |
| <b>Patient 5</b> | PTB Supracondylar socket, with Juzo suspension sleeve and Endolite DR2 with MFA             |
| <b>Patient 6</b> | TSB socket with silicone pin liner. (He had trialled numerous feet whilst at Headley Court) |

## Prosthetist's Comments

**Patient 1** – This active family man, who suffered the loss of his limb in an RTA, has managed to return to work as a Joiner and Bricklayer. He also competes in Motorcycle races and therefore, in both work and leisure, he often needs to carry significant loads. His current foot was proving inadequate for purpose and he was therefore chosen to trial the Thrive.

**Patient 2** – Since this gentleman regularly carries and manoeuvres barrels weighing up to 50kg, it was thought prudent to find a foot that would accommodate that without unduly compromising his gait when not carrying any weight. The prosthetist chose a slightly higher category keel than required for the patient's weight, in order to accommodate a maximum 30% of body weight load a little nearer to the 50kg that some barrels can weigh.

**Patient 3** – This very tall, well-built gentleman, whilst moderately active by Freedom Activity Levels, is far more active than most. Living on a farm, with quad biking, shooting, diving and going to the gym listed as his hobbies and sports, he often carries bags weighing at least 30% of his body weight and frequently gets his foot wet. The prosthetist chose the Thrive, in an attempt to accommodate all the patient's requirements. With a category 9 keel, the foot function in walking was suitable for his 139kg body weight, with the secondary keel just coming into play to allow up to 30% above body weight, 47kg, to be carried.\*

**Patient 4** – Since the patient regularly works on his dad's fishing boat, with the inevitable contact with salt water and regularly carrying loads of 25kg and also rides Quad Bikes and Mountain Bikes, it was felt that the Thrive would offer a better all-round solution than the comfortable and compliant Soleus. There were no problems with setting up the foot.

**Patient 5** – Regularly needing repairs to the MFA, due to the nature of his job, the prosthetist felt that the Thrive may provide a more durable solution for him.

**Patient 6** – Whilst at Headley Court, this young man was retrained to work as Ambulance Crew and since this involved regularly carrying loads, often whilst manoeuvring backwards, many different feet were trialled, but when selected taking in account the loads being carried, none worked well, so the Thrive was chosen to try and satisfy his requirements.

**\*Note!** 30% above the 166kg maximum for the category 9 keel, at 220kg, would actually allow this 139kg patient to lift and carry up to 80kg. Where weights above 30% of body weight are being carried, ensure the patient is at the lower end of the range for the keel, or increase the cat of keel to ensure that they are.

## Patient's Comments

**Patient 1** – He was delighted with the action of the foot, both when carrying a load and when not.

**Patient 2** – The patient reported that, despite the slight compromise in keel category, the foot still felt smooth and flexible when not carrying a load and had no issues when he was. He also felt that the foot was much lighter than any of the alternatives he'd tried.

**Patient 3** – Whilst he rated his Catalyst 9 foot at 4, he was always anxious about getting it wet and thereby causing it to fail. The patient found the function of the Thrive to be really good when not carrying a load, but equally as good when he was. He rated it 5, stating that it "lets me get on with life". The only maintenance required has been to regularly wash the foot out with fresh water.

**Patient 4** – The patient felt "more balanced" when carrying heavy loads, making it easier to use when working on the boat. It was also durable, only needing a new footshell after a year.

**Patient 5** – Initially "looking promising", the patient had some other issues which kept him from wearing it for a while, but 7 months later he felt that it had had a positive effect on his life, with no repairs having been necessary.

**Patient 6** – At the point of swapping to the Thrive the patient was using an Endolite Echelon, but from day one he rated the Thrive **9** for its functionality, comfort and ease of use. He stated that he'd "tried lots of other feet, but this out performed all of them". He also commented that he can "feel the second keel working when walking backwards downstairs carrying a patient". Since it is water proof, he also uses for his various water sports, such as windsurfing and it enables him to maintain his active lifestyle, as well as feeling secure in the knowledge that it won't fail him at work.

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