



# ÖSSUR®

LIFE WITHOUT LIMITATIONS

## PRO-FLEX®

Less load, more dynamics™

82% increase in  
range of ankle motion

93% increase in  
peak ankle power



# PRO-FLEX® LESS LOAD, MORE DYNAMICS™

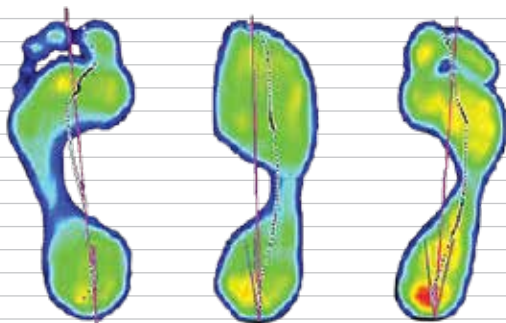
## The list of potential co-morbidities affecting amputees is long.

In particular, lower limb amputation can produce compromised gait dynamics that increase the load on the remaining joints. Perhaps unsurprisingly then, the incidence of knee osteoarthritis in below-knee amputees is 17 times greater than in the general population. In the case of diabetic or dysvascular amputees, increased loads can also contribute to foot ulcers, potentially requiring further surgery.

## The costs associated with these co-morbidities are substantial.

In addition to the human cost of diminished mobility and increased pain, the financial cost can be equally high. Total knee replacement surgery is an expensive procedure, while the cost of amputating another limb is hugely significant in every sense. Clearly, technology that helps to significantly reduce the impact on a person's body is worth considering, both from a quality-of-life perspective and that of long-term healthcare costs.

## Pro-Flex provides a natural progression of the center of pressure



Sound Side

Vari-Flex®

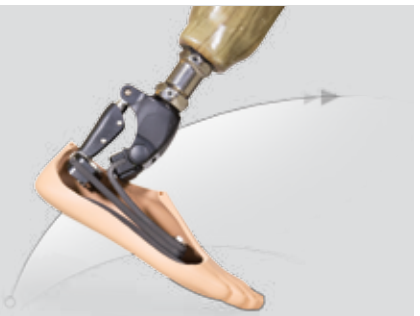
Pro-Flex

## The new Pro-Flex foot by Össur® is a step in the right direction.

Compared to a conventional energy storing and return foot, Pro-Flex provides a 93% increase in peak ankle power and an 82% increase in range of ankle motion. The result is an 11% load reduction on the sound side plus a 15% reduction in the sound side peak external knee varus moment (see sidebar). Over a lifetime of steps, the potential health benefits are clear: by decreasing loads and improving dynamics, both individual and collective costs may be reduced.

## THE DATA

93%  
increase in peak  
ankle power<sup>1</sup>



+

82%  
increase in range  
of ankle motion<sup>1</sup>



=

11%  
load reduction on  
the sound side<sup>1</sup>



&

15%  
reduction in sound  
side peak external  
knee varus moment<sup>2</sup>



<sup>1</sup> Evaluation of a novel prosthetic foot while walking on level ground, ascending and descending a ramp. Daniel W. W. Heitzmann 1, Dipl. Ing. (FH), MerkurAlimusaj 1, Dipl. Ing. (FH) and Sebastian I. Wolf 1, PhD 1 Movement Analysis Lab, Department of Orthopedics, Heidelberg University Hospital, Germany ESMAC, Heidelberg 10th to 12th September 2015.

<sup>2</sup> Heitzmann DWW. et al; A novel prosthetic foot leads to increased ankle power and reduced sound side loads in transtibial amputees; Abstract, Oral Presentation at the AOPA National Assembly San Antonio, TX, USA, October 7-10, 2015.

NOTE: Data only applies to the standard Pro-Flex foot.

# ANATOMY OF PRO-FLEX



## A SHELL AS INNOVATIVE AS THE FOOT IT COVERS

The Pro-Flex foot cover features lightweight construction and a grippy sole for barefoot stability on wet or slick surfaces. It adapts to a range of footwear and has a more natural arch and footprint. A sandal clamping toe design allows easy use with flip flops. Users also have the option to paint the toe nails.



## NEW FOOTBLADE DESIGN

Full effective toe length and new design contribute to a more fluid and natural progression from heel strike to toe off than a conventional energy storing and return foot.



Unique pivot technology delivers an 82% increase in range of ankle motion for a more physiological gait.

3 carbon fiber blades help generate a 93% increase in peak ankle power over a conventional energy storing and return foot.

*“Before Pro-Flex, I experienced pain in my left ankle whenever I stood or walked. Now, I don’t.”*

George Lara



To learn more about Pro-Flex, visit [www.ossur.com/Pro-Flex](http://www.ossur.com/Pro-Flex)

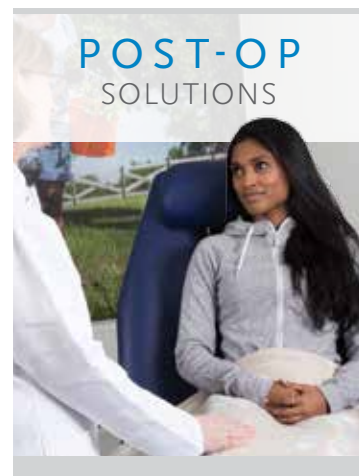
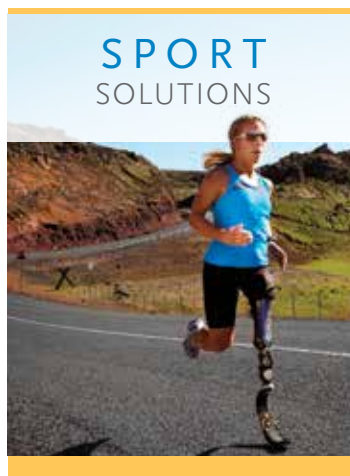
# ÖSSUR® PROSTHETIC SOLUTIONS

We are pleased to present our most inclusive range of prosthetics ever, with solutions that embrace diverse populations and provide an effective response, whatever the need. Each prosthesis is

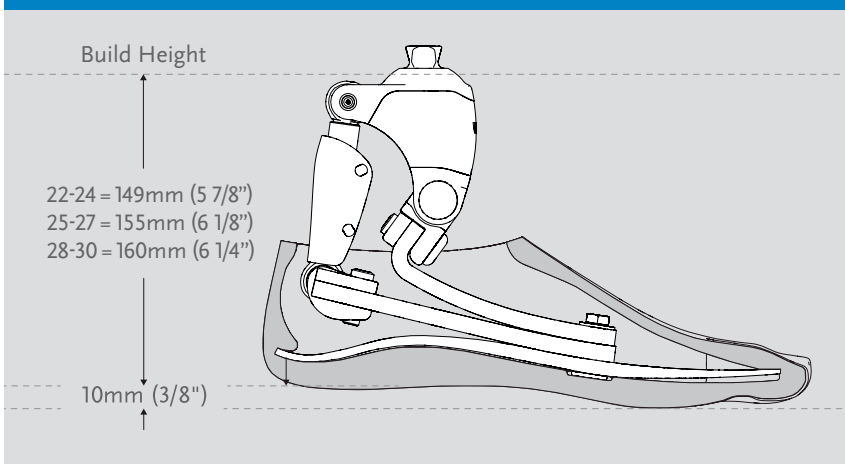
developed with different activity levels in mind. Össur Prosthetic Solutions are our way to make the selection easier and help you find the best solution.



## ADDITIONAL ÖSSUR SOLUTIONS



## PRO-FLEX®



### RATINGS

- Low to moderate impact levels
- Maximum patient weight is 275 lbs (125 kg)

### OPTIONS

- Available in sizes 25-30, categories 2-7
  - Male pyramid
  - PFP0XYZ Pro-Flex with male pyramid (foot shell included)
  - FST0YYZ Foot Cover Kit (replacement foot shell)
- X: category 2-7, YY: foot size (25-30), Z: side (L/R)  
Please specify when ordering brown covers, add "BR" to the part#.

### UNITY® KITS

- PFP0XYZ Pro-Flex with Unity Sleeveless Vacuum
- UPF0001 Retrofittable Unity pump

### WARRANTY

36-month warranty on Pro-Flex  
24-month warranty on Unity Pump Kit  
12-month warranty on Unity valve and membrane



### PRO-FLEX (WITH UNITY)

For the maximum user benefit, select the standard Pro-Flex model, featuring new Pivot Technology.



### PRO-FLEX XC (WITH UNITY)

Excellent vertical compression, all-terrain compliance and toe-off energy for active users.



### PRO-FLEX LP (COMING SOON)

For users with long residual limbs, select Pro-Flex LP.

## CATEGORY SELECTION CHART

| Weight lbs               | 99-115 | 116-130 | 131-150 | 151-170 | 171-194 | 195-220 | 221-256 | 257-275 |
|--------------------------|--------|---------|---------|---------|---------|---------|---------|---------|
| Weight kg                | 45-52  | 53-59   | 60-68   | 69-77   | 78-88   | 89-100  | 101-116 | 117-125 |
| Low Impact Category      |        |         |         |         |         |         |         |         |
| Sizes 22-24              | 1      | 1       | 2       | 3       | 4       | 5       | N/A     | N/A     |
| Sizes 25-27              | 2      | 2       | 2       | 3       | 4       | 5       | 6       | 7       |
| Sizes 28-30              | 3      | 3       | 3       | 3       | 4       | 5       | 6       | 7       |
| Moderate Impact Category |        |         |         |         |         |         |         |         |
| Sizes 22-24              | 1      | 2       | 3       | 4       | 5       | N/A     | N/A     | N/A     |
| Sizes 25-27              | 2      | 2       | 3       | 4       | 5       | 6       | 7       | N/A     |
| Sizes 28-30              | 3      | 3       | 3       | 4       | 5       | 6       | 7       | N/A     |

NOTE: The above specifications are for Pro-Flex only. For Pro-Flex XC and Pro-Flex LP specifications, please speak with your Össur representative.

\* The responsibility for accurate coding lies solely with the provider treating the patient. Össur assumes no responsibility or liability for the provider's coding decisions. Össur's coding suggestions rest on its best judgment and are subject to revision.

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