Triton Family of Products

Your Life. Your Adventure.

Quality for life

Information for Specialist Dealers
Triton Family of Products

Leading an unrestricted everyday and professional life, being active in leisure time and sports. Taking on challenges, but also just spending time with family and friends. All this stands for quality of life.
Quality of life involves independence and mobility – the ability to decide on your own goals and how to reach them. Our goal at Ottobock is to create outstanding, functional products for people with all types of mobility needs.

The Triton family of products offers a selection of feet to meet these demands perfectly. Mobility on a high level. For a self-determined life.
Technology for Mobility

When developing the Triton prosthetic feet, our engineers made mobility their priority. They worked together with amputees to create a comprehensive family of products that meet the various demands of an active lifestyle.

Thanks to the innovative design, the Triton feet are suited for a broad range of applications. They offer excellent functionality even under high load.

The spring deflection of the Triton ensures effective shock absorption upon heel strike. Moderate shortening of the heel lever supports the user, allowing greater control and safety while flexing the knee. How the foot behaves in this phase of walking can be adapted to suit the individual user with the supplied heel wedges.

The benefits of the Triton's interlinked triangular spring system are particularly evident during rollover. The forefoot and the heel are made of a light, flexible carbon fibre composite and connected by a base spring made of high-performance polyester to form a complete system. The majority of energy stored during heel strike is gradually released in the course of the stance phase. This makes easy rollover possible for the user. The Triton shows a largely neutral reaction when the patient shifts weight from one foot to the other while standing. This special feature of the Triton means that the user is relaxed and stable when standing.

The base spring of the Triton has a specially formed and split forefoot section. Due to this unique feature, the effective foot length reaches up to the big toe. This feature allows the user to move confidently into the swing phase and permits a highly variable step length – depending entirely on the situation and speed. At the same time, the split forefoot section provides the required control on uneven terrain and for quick changes of direction – for example during sports activities.

The functional ring of the Triton Vertical Shock and the Triton Harmony ensures increased torsion capability for the foot system. For the user this results in a reduction of shear forces between residual limb and socket, which offers noticeable relief especially in demanding activities such as sports or physical work.

The Triton Vertical Shock and the Triton Harmony offer additional spring deflection thanks to the functional ring. Together with the spring deflection of the triangular carbon spring system, this effectively reduces vertical forces such as those that arise during sports activities and eases the load on the residual limb.

Harmony P3 technology permits the fabrication of a socket system with higher negative pressure. This helps stabilise the residual limb volume. Adhesion between the residual limb and the prosthesis is improved. The resulting enhanced proprioception results in an additional plus in safety in any situation.

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For further information and a detailed comparison of the Triton feet with other feet from the Ottobock portfolio, please refer to the function matrix for prosthetic feet (646F307).
1C60 Triton

1 Adapter
Pyramid adapter made of lightweight aluminium

2 Carbon Forefoot Spring
The split forefoot spring allows the foot to adapt to uneven surfaces. It offers energy return, stability and control at rollover and toe-off

3 Base Spring
The split base spring made of high-performance polyester has a separate big toe and connects the forefoot and the heel spring to form a complete system

4 Carbon Attachment Spring
The attachment spring made of carbon fibre material gives the foot the required stability

5 Carbon Heel Spring
The heel spring dampens the impact at heel strike and stores the energy for a smooth rollover

6 Replaceable Heel Wedge
The optional heel wedges provide a simple method for adapting the Triton to the individual needs of the patient

1C61 Triton Vertical Shock

Adapter
Pyramid adapter made of titanium

2-in-1 Functional Ring
Elastomer ring for vertical shock absorption and torsion movements

Housing
Triton Vertical Shock housing made of lightweight aluminum

1C62 Triton Harmony

Adapter
Pyramid adapter made of titanium

3-in-1 Functional Ring
Elastomer ring for vertical shock absorption and torsion movements. Inlet and outlet valve to generate vacuum

Housing
Triton Harmony housing made of lightweight aluminum
Triton Family of Products

The prosthetic feet in the Triton family of products are based on the interactive triangular spring system. Three interconnected spring elements ensure highly harmonious rollover characteristics.

Thanks to their outstanding dynamics and flexibility, all Triton feet are suitable for a broad range of applications from everyday use to recreational sports.

- Harmonious rollover characteristics thanks to an interactive spring system comprising 3 interconnected spring elements
- Outstanding dynamics combined with energy storage and return
- Noticeable plantar flexion at heel strike
- Split forefoot for more safety, stability and control on uneven surfaces
- Especially long load-bearing foot length due to moulded forefoot
- Adaptation of heel stiffness to individual user needs through use of included heel wedges
- Especially durable footshell with separate big toe. Choice of slim version with 15 mm heel height or normal version with 10 mm heel height

For further details visit: www.yourlifeyouradventure.com
Advantages

1C60 Triton

The versatile carbon prosthetic foot – perfect for meeting the needs of active users

• All advantages of the Triton family of products
• Suitable for users up to 150 kg in MG 3 and 125 kg in MG 4

1C61 Triton

Vertical Shock

Increased shock absorption and torsion capability – for perceptible residual limb relief and improved stability with high activity

• Extended shock absorption thanks to increased axial deflection of spring (+8 mm)
• Additional torsion capability (± 9°) for better adaptation in uneven terrain
• Reduced impacts and torsion forces between the residual limb and socket
• Compact design
1C62 Triton Harmony

**The highly functional and compact prothetic foot system with integrated Harmony vacuum technology**

- Stronger connection between residual limb and prosthesis for increased safety
- Reduced volume fluctuations
- Improved proprioception
- Extended spring axial deflection (+ 8 mm)
- Torsion capability (± 9°)
- Reduced impacts and torsion forces between the residual limb and socket
- Compact design

1C63 Triton Low Profile

**Triangular technology – for especially low structural height**

- For users with limited clearance
- Particularly robust thanks to the use of a titanium adapter
- Water-resistant
- Suitable for users up to 150 kg in MG 3 and in MG 4

1C64 Triton Heavy Duty

**For particularly challenging conditions – at work or play**

- Same dynamic response and flexibility as the 1C60 Triton
- Particularly robust thanks to the use of a titanium adapter
- Water-resistant
- Suitable for users up to 150 kg in MG 3 and in MG 4
**Indication and area of application**

The Triton feet are designed for moderately to highly active patients with transtibial amputations, knee disarticulations, transfemoral amputations or hip disarticulations. According to MOBIS, the Otto Bock mobility system, they are recommended for patients with mobility grade (MG) 3 and 4 – unlimited outdoor walkers and unlimited outdoor walkers with especially high requirements. The maximum permissible patient weight is 150 kg.

<table>
<thead>
<tr>
<th>Technical Data</th>
<th>1C60 Triton</th>
<th>1C61 Triton Vertical Shock</th>
<th>1C62 Triton Harmony</th>
<th>1C63 Triton Low Profile</th>
<th>1C64 Triton Heavy Duty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suitable for</td>
<td>MG 3 – 4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. body weight</td>
<td>150 kg (MG 3), 125 kg (MG 4)</td>
<td>150 kg (MG 3 and MG 4)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sizes</td>
<td>21 – 30 cm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Footshell</td>
<td>Slim shape for 15 mm heel height (sizes 21 – 27 cm)</td>
<td>Normal shape for 10 mm heel height (sizes 24 – 30 cm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Customisation</td>
<td>Individual adaptation of heel function and rollover characteristics with two included heel wedges</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight without footshell*</td>
<td>approx. 460 g</td>
<td>approx. 760 g</td>
<td>approx. 760 g</td>
<td>approx. 415 g</td>
<td>approx. 535 g</td>
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<tr>
<td>Weight with normal footshell*</td>
<td>approx. 680 g</td>
<td>approx. 980 g</td>
<td>approx. 980 g</td>
<td>approx. 635 g</td>
<td>approx. 755 g</td>
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<tr>
<td>System height with normal footshell*</td>
<td>131 mm</td>
<td>177 mm</td>
<td>177 mm</td>
<td>45 mm</td>
<td>131 mm</td>
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<tr>
<td>Structural height with normal footshell*</td>
<td>149 mm</td>
<td>195 mm</td>
<td>195 mm</td>
<td>63 mm</td>
<td>149 mm</td>
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<tr>
<td>Recommended knee components</td>
<td>3R60, 3R46, 3R55, 3R95, 3R80, C-Leg, C-Leg Compact, Genium</td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>Miscellaneous</td>
<td>+8 mm spring axial deflection</td>
<td>+8 mm spring axial deflection</td>
<td>+8 mm spring axial deflection</td>
<td>Water-resistant</td>
<td>Water-resistant</td>
</tr>
<tr>
<td></td>
<td>± 9° rotation possible</td>
<td>± 9° rotation possible</td>
<td>± 9° rotation possible</td>
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</table>

* Technical data refer to size 26 cm
Delivery of a Triton prosthetic foot includes the 2C6 Footshell, a transparent (soft) heel wedge and a black (firm) heel wedge. The footshell is available in a slim version (S) with 15 mm heel height and a normal version (N) with 10 mm heel height. Both footshells can be supplied in beige (4) or light brown (15).

### Order Information

**1C60 Triton, 1C63 Triton Low Profile, 1C64 Triton Heavy Duty**

<table>
<thead>
<tr>
<th>Body weight</th>
<th>21 cm</th>
<th>22 cm</th>
<th>23 cm</th>
<th>24 cm</th>
<th>25 cm</th>
<th>26 cm</th>
<th>27 cm</th>
<th>28 cm</th>
<th>29 cm</th>
<th>30 cm</th>
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<tr>
<td>up to 55 kg</td>
<td>1</td>
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<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>56 – 75 kg</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>1</td>
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<tr>
<td>76 – 100 kg</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
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</tr>
<tr>
<td>101 – 125 kg</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
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<tr>
<td>126 – 150 kg</td>
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<td>–</td>
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<td>–</td>
<td>–</td>
<td>–</td>
<td>5</td>
<td>5</td>
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</tbody>
</table>

*Slim footshell available  Both footshells available  Normal footshell available*

*When combining this configuration with the C-leg, please contact Ottobock Customer Service.

**1C61 Triton Vertical Shock & 1C62 Triton Harmony** (Spring Stiffness – Functional Ring Stiffness)

<table>
<thead>
<tr>
<th>Body weight</th>
<th>21 cm</th>
<th>22 cm</th>
<th>23 cm</th>
<th>24 cm</th>
<th>25 cm</th>
<th>26 cm</th>
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<tr>
<td>40 – 47 kg</td>
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<tr>
<td>48 – 55 kg</td>
<td>1-1</td>
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<td>1-1</td>
<td>1-1</td>
<td>1-1</td>
<td>1-1</td>
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</tr>
<tr>
<td>56 – 65 kg</td>
<td>2-2</td>
<td>2-2</td>
<td>2-2</td>
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<td>66 – 75 kg</td>
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<td>76 – 87 kg</td>
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<td>88 – 100 kg</td>
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<tr>
<td>101 – 112 kg</td>
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<td>–</td>
<td>–</td>
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<td>4-6</td>
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<tr>
<td>113 – 125 kg</td>
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<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>4-7</td>
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<td>126 – 137 kg</td>
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<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>5-8</td>
<td>5-8</td>
<td>5-8*</td>
<td>5-8*</td>
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<tr>
<td>138 – 150 kg</td>
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<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>5-9</td>
<td>5-9</td>
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</table>

*When combining this configuration with the C-leg, please contact Ottobock Customer Service.

**Order example: 1C60, 1C63, 1C64**

<table>
<thead>
<tr>
<th>Article no. = Side</th>
<th>Size</th>
<th>Stiffness</th>
<th>P</th>
<th>Colour</th>
<th>Shape</th>
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</thead>
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<td>1C60</td>
<td>R 27</td>
<td>3</td>
<td>P</td>
<td>4</td>
<td>N</td>
</tr>
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</table>

**Order example: 1C61, 1C62**

<table>
<thead>
<tr>
<th>Article no. = Side</th>
<th>Size</th>
<th>Spring stiffness</th>
<th>Functional ring stiffness</th>
<th>P</th>
<th>Colour</th>
<th>Shape</th>
</tr>
</thead>
<tbody>
<tr>
<td>1C61</td>
<td>R 27</td>
<td>2</td>
<td>3</td>
<td>P</td>
<td>4</td>
<td>N</td>
</tr>
</tbody>
</table>