ottobock.

Triton product family

Your will. Your way.

Quality for life

Information for Clinicians

1 Trias – Secure as expected.

Designed for **moderately active individuals** who navigate indoor and familiar outdoor environments and place a high value on consistent stability when walking.

- Soft rollover for easy movement at slow to moderate walking speeds
- Delivers the performance suited to each step
- Supports controlled movements across stable terrain

MG 2–3 | Up to 125 kg

1C30 Trias

2 Taleo – Ready for everyday life.

Designed for **active individuals** who navigate varied indoor and outdoor environments and place a high value on effortless walking and the ability to go wherever life takes them.

- Smooth rollover for effortless walking
- Delivers the performance suited to each step
- Supports dynamic movement across varying terrain conditions

MG 3–4 | Up to 150 kg |
Fully water and corrosion proof.

1C50 Taleo

* Other products in this range: 1C50 Taleo, 1C51 Taleo Vertical Shock, 1C52 Taleo Harmony,
** 1C53 Taleo Low Profile.

3 Triton – Your will. Your way.

Designed for **ambitious individuals** who navigate varied indoor and outdoor environments and place a high value on uncompromised response and control even when performing high-impact activities.

- Dynamic rollover supports vigorous walking
- Delivers the performance suited to each step
- Supports agile and high-impact movement across varying terrain conditions

MG 3–4 | Up to 150 kg |
Fully water and corrosion proof.

1C6* Triton

* Other products in this range: 1C60 Triton, 1C61 Triton Vertical Shock, 1C62 Triton Harmony,
** 1C63 Triton Low Profile, ** 1C64 Triton Heavy Duty, ** 1C68 Triton side flex

As individual as life itself

Each of your patients is different. They all move to their own rhythm and speed. They have their own individual habits and preferences, and their own goals. That is why we at Ottobock have constantly continued to develop our portfolio over the last 100 years. For us, mobility is more than a level or a unit of measurement – it's an attitude to life. We want to provide the best possible support for users, step by step.

Our development efforts in foot prosthetics continue: the Triton side flex is the latest addition to the Triton product family, setting new standards with its unique side-to-side flexibility. Our expanded foot portfolio offers you more choices when it comes to selecting the right foot for your patient.

Triton
Your will. Your way.

At home, on the way to work or in your leisure time: Mobility and independence are very important.
With the Triton product family, Ottobock offers ambitious users a selection of prosthetic feet that are reliable in any situation. Ultimate mobility, for more quality of life.

Energetic walking

Triton feet deliver a high energy return and uncompromising support at fast walking speeds. They help users master any challenge in sports, nature or at work.

Strong rollover for vigorous walking

Triton provides a dynamic rollover for vigorous walking. It provides users with resolute response and control. Even when performing high-impact activities.

For agile and high-impact movements

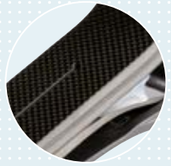
Quick changes in direction and jumps in basketball, hiking on uneven trails or a sprint to catch the bus: Triton accomodates to high-impact conditions and is ideal for many challenging everyday situations and also for sports activities.

“Mobility is a crucial aspect for me in both my personal and professional lives. I have to be able to respond to all the requirements in my life.”

Carsten

One family, many possibilities

The Triton product family is designed for ambitious individuals who navigate varied indoor and outdoor environments and place a high value on umcompromised response and control even when performing high-impact activities.



1 **Single Linear Spring**
Provides moderate midstance flexibility that is needed for a high amount of responsiveness as well as the energy return needed for walking at faster speeds.

2 **2 heel wedges for customised heel stiffness**
The selection of heel wedges makes it possible to precisely customise the shock absorption at heel strike to match individual needs.

3 **Connected spring design**
The three interconnected springs behave like an overload limiter. They allow for stability while making quick and responsive movements.

1C60 Triton

A versatile carbon prosthetic foot – perfect for meeting the needs of very ambitious users.

- Dynamic rollover supports vigorous walking
- Delivers the performance suited to each step
- Supports agile and high-impact movements across varying terrain conditions

“I’m realising my dreams. Life is filled with a thousand opportunities that are just waiting to be seized.”

Brecklyn

1C61 Triton Vertical Shock

Increased shock absorption and torsion capability – for perceptible relief of the residual limb and improved stability for very high activity.

- Provides excellent shock absorption and torsion capability
- The forces acting on the residual limb while walking, running and especially during intense sports activities are noticeably reduced
- The foot therefore provides reliable support, even under extreme loads

1C62 Triton Harmony

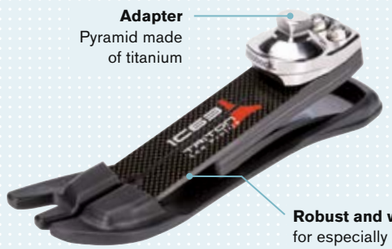
The highly functional and compact prosthetic foot with integrated Harmony vacuum technology.

- Provides excellent shock absorption
- The Harmony vacuum system improves adhesion between the residual limb and prosthesis
- This close connection results in improved proprioception and additional safety
- The vacuum function also helps stabilise the residual limb volume

1C63 Triton Low Profile

A Triton for especially low structural heights.

- Users who only have a limited structural height available to integrate the foot can also benefit from the dynamics of the Triton feet
- Using a titanium adapter and corrosion-resistant screws makes the foot extremely resilient as well as waterproof



1C64 Triton Heavy Duty

For particularly challenging conditions – at work or play.

- Has a higher load limit for very active users and extreme requirements on the job and in leisure activities, when the foot comes into contact with water or moisture or needs to withstand high loads
- Corrosion-resistant metal parts and screws make this foot waterproof

1C68 Triton side flex

With a unique degree of side-to-side flexibility.

Controlled and easy m-l* movement for:

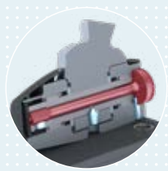
- Safe full-ground contact while walking and standing
- Reduced sideward tilting moments in the prosthetic socket or knee
- Fewer compensatory movements
- Improved comfort and enhanced feeling of safety

More freedom of movement for users thanks to innovative technology:

- Effortless adaptation to sideward slopes
- Movement in confined spaces
- Walking on uneven ground and obstacles
- Safe and comfortable standing with legs apart
- Standing safely on unsteady surfaces
- Relaxed standing while leaning
- Sideward lunges

“I have this new foot, the Triton side flex, and I never imagined that having a new prosthetic foot would make such a big difference.”

Marije



Innovative m-l unit for sideward flexibility
The easy side-to-side flexibility is achieved by a titanium torsion bar. This in prosthetics innovative technology permits a ±10° range of motion, cushions the adaptation and brings the unit back to its original position after every step.

Robust titanium adapter
Thanks to integrated seals and the use of corrosion-resistant materials, the mechanism is fully waterproof against fresh, salt and chlorinated water.

Bumpers
Bumpers gently dampen the side-to-side impact if the range of motion is fully utilised in case of major unevenness or slopes.

* m-l or medial-lateral describes the foot’s capacity for rotation in the frontal plane. The technical terms are inversion, in which the inner edge of the foot is lifted and eversion, in which the outer edge of the foot is lifted.

1C68 Triton side flex

Users who have tested the Triton side flex are excited about the benefits this prosthetic foot offers. The study conducted with 12 users confirms the functional added value provided by the prosthetic foot.

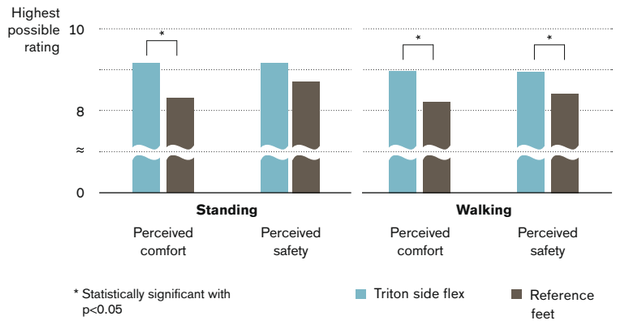
"With the Triton side flex, you have fewer residual limb problems and less friction in the prosthetic socket."

"The Triton side flex gives you an advantage because you don't need to concentrate as much on uneven ground."

Feedback from study participants

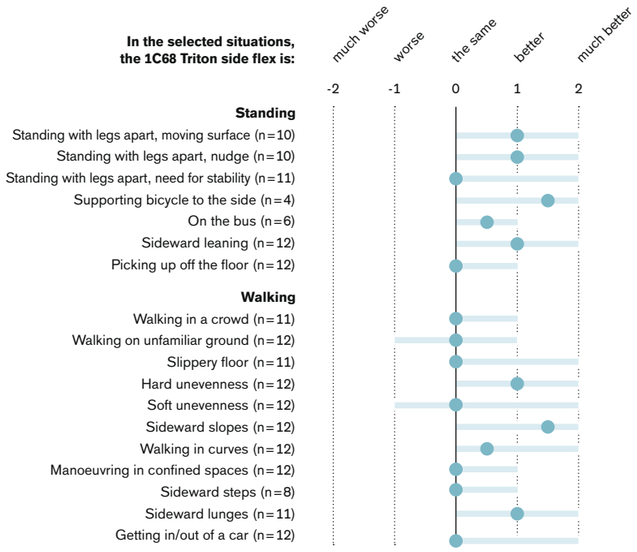
Comfort and safety of the Triton side flex convince in situations where m-l movement is advantageous.

User ratings of the 1C68 Triton side flex compared to reference feet in groups of selected activities. Excerpts of the activities included in the groups are described in the diagram shown below.



Ratings of selected situations requiring m-l movement show that the Triton side flex is perceived to be as good as or better than the reference feet.

User ratings of the 1C68 Triton side flex compared to reference feet for selected activities. For each activity the blue line presents the range of ratings while the blue circle presents the average rating.

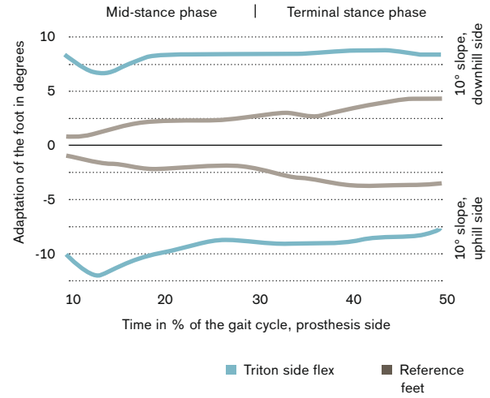


Biomechanical comparison of the Triton side flex.

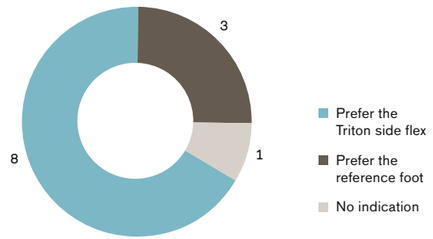
The Triton side flex already significantly adapts to sideward slopes at the beginning of the mid-stance phase. The adaptation of the reference feet, on the other hand, is minor at this point and only subsequently increases along with the forefoot load, reaching its maximum at the end of the terminal stance phase.

The Triton side flex adapts almost fully to sideward slopes. It exhibits a markedly higher level of adaptation than the reference feet.

Both effects result in a clearly natural course of the ground reaction force contact point under the Triton side flex, which has a positive effect on dynamic stability on sideward slopes.



In a direct comparison, at the end of the study, eight out of 12 participants preferred the Triton side flex to the reference feet.



In a direct comparison, the study participants gave the Triton side flex a better rating than the reference feet in the following tests in the gait laboratory:

- Walking and standing on sideward slopes (5 and 10°)
- Obstacle course
- Standing with legs apart
- Sideward leaning

Reference: "Prospective, pilot cross-over randomised study to evaluate performance, patient benefits and acceptance of "1C68 Triton side flex"– a new prosthetic foot supporting inversion and eversion movements" – not yet published. In the study, 12 unilateral, transtibial amputated users were fitted with the 1C68 Triton side flex and a reference foot for at least four weeks respectively. The two reference feet are low profile carbon feet with a split forefoot. One of the two reference feet was randomly assigned to the study participants.

Technical data

	Max. body weight	Suitability	Size	Footshell	Customisation	Weight without footshell*	Weight with normal footshell*	System height with normal footshell*	Structural height with normal footshell*	Other
1 **1C60 Triton**	150 kg (MG 3) 125 kg (MG 4)	MG 3–4	21 cm to 30 cm			approx. 460 g	approx. 680 g	approx. 131 mm	ca. 149 mm	–
2 **1C61 Triton Vertical Shock**	150 kg (MG 3) 125 kg (MG 4)	MG 3–4	21 cm to 30 cm			approx. 760 g	approx. 980 g	approx. 177 mm	ca. 195 mm	• 15mm vertical deflection • ± 9° rotation possible
3 **1C62 Triton Harmony**	150 kg (MG 3) 125 kg (MG 4)	MG 3–4	21 cm to 30 cm	Slim shape for sizes 21/22–27 cm with 15 mm heel height	Individual adaptation of heel function and rollover characteristics with two included heel wedges	approx. 760 g	approx. 980 g	approx. 177 mm	ca. 195 mm	• Vacuum • 15mm vertical deflection • ± 9° rotation possible
4 **1C63 Triton Low Profile**	150 kg	MG 3–4	21 cm to 30 cm	Normal shape for sizes 24–30 cm with 10 mm heel height		approx. 415 g	approx. 635 g	approx. 45 mm	ca. 63 mm	• Waterproof
5 **1C64 Triton Heavy Duty**	150 kg	MG 3–4	21 cm to 30 cm			approx. 535 g	approx. 755 g	approx. 131 mm	ca. 149 mm	• Waterproof
6 **1C68 Triton side flex**	125 kg	MG 3–4	22 cm to 30 cm			approx. 585 g	approx. 805 g	approx. 68 mm	ca. 86 mm	• ± 10° additional m-l flexibility • Waterproof

*Technical data refers to size 26 cm

Recommended combinations**

1 6Y110 Skeo Sealing liner
- Stable sealing ring (two sealing ring positions available - 10 cm or 17 cm) ensures a secure and reliable prosthetic connection
- Smooth outer coating makes it easier to don and doff; the texture on the inside ensures that the liner adheres well to the residual limb without sticking

2 21Y21 ClickValve
- An audible click indicates proper valve placement
- Multi-option safety shackle avoids losing the outer valve part

3 4R57=WR/4R57=WR-ST Waterproof rotation adapter
- Allows the flexed lower leg to be rotated against the socket – for more freedom of movement and a relaxed sitting position; allows movement that is gentle on the back, for instance when putting on shoes

4 3B5* Genium X3
- OPG 2.0 for an even smoother gait, supporting functions and safety in everyday use
- MyModes plus offer vast range of options for individual movement patterns
- Upgraded Stumble Recovery

5 4R10=111 Quickchange
- Allows users to change prosthetic feet on their own, so feet with different functions can be used and trousers are easier to put on and take off

** All components are sold separately and are available as Ottobock products that are compatible with the 1C6* Triton feet, which help ensure optimal performance. O&P professionals need to select components based upon individual patient criteria.

Order information

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

Body weight \ Sizes	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
up to 55 kg	1	1	1	1	1	1	–	–	–	–
56–75 kg	2	2	2	2	2	2	2	2	2	2
76–100 kg	3	3	3	3	3	3	3	3	3	3
101–125 kg	–	–	–	–	4	4	4	4	4*	4*
126–150 kg	–	–	–	–	5*	5*	5*	5*	5*	5*

* Contact Ottobock Customer Service before combining this configuration with a mechatronic prosthetic knee joint.

Slim footshell available | Both footshells available | Normal footshell available

Order example: 1C60, 1C63, 1C64

Article no.	=	Side	Size	-	Stiffness	-	P	/	Colour	Shape
1C60	**=**	**R**	**27**	**-**	**3**	**-**	**P**	**/**	**4**	**N**

1C61 Triton Vertical Shock and 1C62 Triton Harmony

Body weight \ Sizes	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
40–47 kg	1-0 special order – please contact Customer Service						–	–	–	–
48–55 kg	1-1	1-1	1-1	1-1	1-1	1-1	–	–	–	–
56–65 kg	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2
66–75 kg	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3
76–87 kg	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4
88–100 kg	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5
101–112 kg	–	–	–	–	4-6	4-6	4-6	4-6	4-6*	4-6*
113–125 kg	–	–	–	–	4-7	4-7	4-7	4-7	4-7*	4-7*
126–137 kg	–	–	–	–	5-8*	5-8*	5-8*	5-8*	5-8*	5-8*
138–150 kg	–	–	–	–	5-9*	5-9*	5-9*	5-9*	5-9*	5-9*

* Contact Ottobock Customer Service before combining this configuration with a mechatronic prosthetic knee joint.

Slim footshell available | Both footshells available | Normal footshell available

Order example: 1C61, 1C62

Article no.	=	Side	Size	-	Spring stiffness	-	Functional ring stiffness	-	P	/	Colour	Shape
1C61	**=**	**R**	**27**	**-**	**2**	**-**	**3**	**-**	**P**	**/**	**4**	**N**

The scope of delivery includes the respective foot module, the 2C6 footshell including connection cover, the 2F60 heel wedge set (comprising two different degrees of hardness) and a black Spectra sock.

1C68* Triton side flex

Body weight \ Sizes	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
up to 55 kg	1	1	1	1	1	–	–	–	–
56–75 kg	2	2	2	2	2	2	2	2	2
76–100 kg	3	3	3	3	3	3	3	3	3
101–125 kg	–	–	–	4	4	4**	4**	4**	4**

* Please read the 1C68 instructions for use regarding potentially excluded combinations of configurations with Ottobock structural components.
** Do not combine this configuration with a 3C88-3* or 3C98-3* C-Leg 4.

Prohibited combination possibilities: 3C60, 3C86, 3C96, 3C86-1, 3C96-1, 3C88, 3C98, 3C88-1, 3C98-1, 3C88-2, 3C98-2

Slim footshell available | Both footshells available | Normal footshell available

Order example: 1C68

Quantity	Article no.	=	Side	Size	-	Stiffness	-	P	/	Colour	Shape
	1C68	**=**			**-**		**-**	**P**	**/**		
	1C68	**=**			**-**		**-**	**P**	**/**		

Side		Size [cm]	Colour		Shape	
Right	**R**	**22, 23,..., 30**	**Beige**	**4**	**Normal**	**N**
Left	**L**		**Light brown**	**15**	**Slim**	**S**

The scope of delivery includes the 1C68 foot module, the 2C6 footshell including connection cover, the 2F60 heel wedge set (comprising two different degrees of hardness) and a black Spectra sock.