

# Prosthetics

Lower limbs



Quality for life



# Prosthetics

Lower limbs




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## Ordering information

### User instructions for products

**Product illustration**



**Available information material**

6470113

**Product name**

**3R90 Modular Knee Joint with Friction Brake, Monocentric with Mechanical Extension Assist**

The innovative load dependent brake mechanism offers targeted safety for the patient. Heel strike activates the brake and provides high stability in the stance phase. The swing phase can be controlled by means of a mechanical extension assist which, integrated in the lower section of the joint, has a progressively acting spring combination.

**Brief product description**

**Article number or reference number**

Article number	3R90
Mobility grade	1 + 2
Material	Aluminium
Proximal connection	Pylonal Adapter
Distal connection	Tube Clamp
Knee flexion angle	135/90°
System height	47 mm
proximal system height to alignment reference point	8 mm
distal system height to alignment reference point	49 mm
Weight	1765 g
Max. body weight	125 kg

**Notice**

Use the 35307 Foam Cover for the 3R90 and 3R92. Fabrication of a customised, customised foam cover is possible. See Page 308

**Technical data such as diameter, size, system height, material, MOBIS**

**Note on accessories for the product. Order separately as necessary.**

**Accessories for 3R90-1/3R92-1**

Order separately as necessary.

**2R77 Tube Adapter**



± 20 kg

Article number	2R77
Quantity	24 mm
Material	Stainless steel
Min. system height	77 mm
Weight	970 g
Max. body weight	150 kg

**Product components which serve as spare parts for service and repair.**

**Single Components for 3R95 and 3R95 as Spare Parts**

**4D17 Single Component Pack**

Article number	4D17
For	3R95 3R95-1
Consisting of	1 heel lock attachment screw 1 extension stop bumper

### Order code

Select the desired product and determine the article number. It consists of the reference number plus additional parameters such as body side, size, material and colour. The order examples on the respective catalogue pages show how the article number can be determined quickly and easily.

An example:

Order example

Reference number	side	size	colour	form					
<b>2C1</b>	<b>L</b>	<b>22</b>	<b>4</b>	<b>N</b>					
<b>Reference number</b>	2C1								
<b>Heel height</b>	10 +/- 5 mm								
<b>Side</b>	left (L), right (R)								
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
<b>Weight</b>	~ 150 g	~ 165 g	~ 185 g	~ 195 g	~ 230 g	~ 240 g	~ 260 g	~ 275 g	
<b>Colour</b>	beige (4), light brown (15)								
<b>Shape</b>	normal (N)								

- The article number is then to be used when making enquiries or placing orders by phone, fax, e-mail or via the online shop.





# Modular lower limb prostheses

Modular lower limb prostheses, an Ottobock invention, are today's standard in orthopaedic technology fittings for prosthesis wearers.

The components are detachable and can be replaced easily. Static corrections during alignment, trial fitting and even after finishing the prosthesis may be made at any time in a clear and reproducible way.

In order to account for the individual requirements of the users, we offer a wide variety of different functional components made of aluminium, titanium and stainless steel.

MOBIS, a further development of our Ottobock classification system, helps you choose in accordance with the indication for use. The MOBIS symbol allows you to combine the modular components according to mobility grade and body weight for an individual fitting.

Ongoing innovation means that we are always developing the modular system further in order to meet the rising requirements of prosthesis wearers. One of our milestones has been the introduction of the C-Leg as the first fully microprocessor-controlled prosthesis system in the world.

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## System height – the Ottobock dimension

Ottobock has a defined measurement system to help you fill the available space between the socket and floor with suitable prosthetic components – the system height. Each prosthetic component has a system height. By adding the individual values, you obtain the structural height of the chosen components quickly and easily.

The values determined by Ottobock take into account the fact that the pyramid adapter and pyramid receiver interlock when a prosthesis is fabricated using the modular system. You will find the values in table form underneath the respective product in the catalogue.

The illustrative examples that follow explain this principle for you.

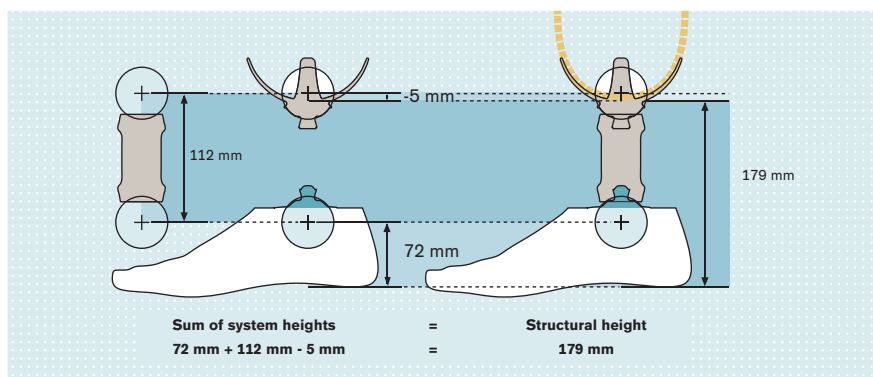
 646A255 Special print: System height – simply accurate

### Technical principle

The pyramid adapter and pyramid receiver interlock in the modular prosthesis system. This means the actual height of the component is not really informative for the prosthetist.

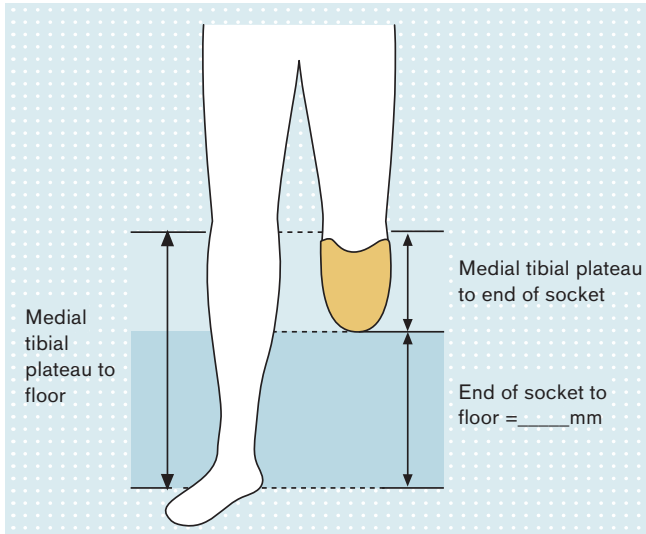
The graphic below illustrates 4 key aspects:

- Each Ottobock prosthetic component has a system height.
- The system height differs from the actual height of the prosthetic component; therefore, it cannot be verified by the prosthetist.
- The clearance of the combined components is calculated by summing all the system heights.
- There are negative system heights as well. This is a result of the measuring process. When examining the socket adapter, it becomes clear that the measuring point (centre of the circle) is already in the socket. This distance from the measuring point to the outside edge of the socket has to be subtracted. As a result, the system height of the socket adapter is negative.



## 4 steps to check the chosen component combination for exact fit in transtibial fittings

### 1. Take patient measurements



### 3. Adding system heights

Components that can be shortened have a minimum and maximum system height. The maximum system height is the unshortened value, the minimum is after shortening as far as possible.

Components	System height	
	min.	max.
<b>4R116</b>	2 mm	
<b>4R52</b>	33 mm	
<b>4R121=30</b>	177 mm	553 mm
<b>1D35, Gr. 27</b>	72 mm	
<b>Structural height =</b>	<b>280 mm</b>	<b>656 mm</b>

### 2. Select components

Reference number	1D35									
Mobility grade	MG 2 + MG 3									
Heel height	10 +/- 5 mm									
Side	left (L), right (R)									
Size	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm	
System height	57 mm	60 mm	63 mm	66 mm	68 mm	72 mm	74 mm	75 mm	77 mm	
Weight	-340 g	-435 g	-510 g	-546 g	-630 g	-645 g	-670 g	-730 g	-755 g	
Max. body weight	75 kg									
Colour	beige (4), light brown (15)									

### 4. Comparing available socket-to-floor distance and clearance of the component combination.

The value of the socket end-floor measurement must be in between the minimum and maximum structural height of the component combination.

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## Application of system heights with a knee joint

For the fabrication of a transfemoral prosthesis, the system heights of the individual components are also added to determine the clearance. But the positioning of the knee joint has to be taken into account.

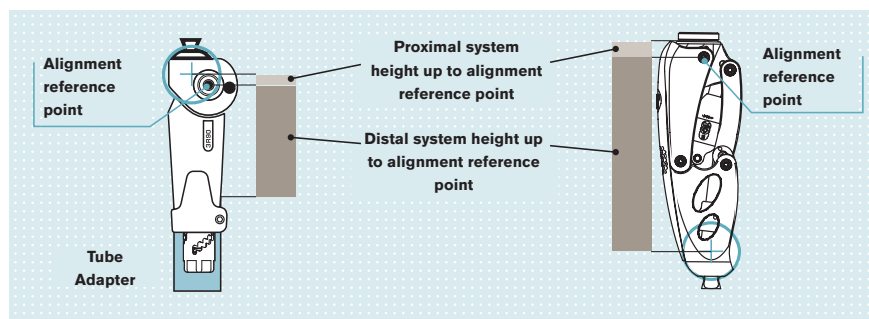
Every modular knee joint has an alignment reference point. This is the rotation axis in monocentric joints, and the anterior, upper axis in polycentric joints (see graphic below).

We recommend positioning the alignment reference point 20 mm above the medial tibial plateau, shown schematically in the following graphic.

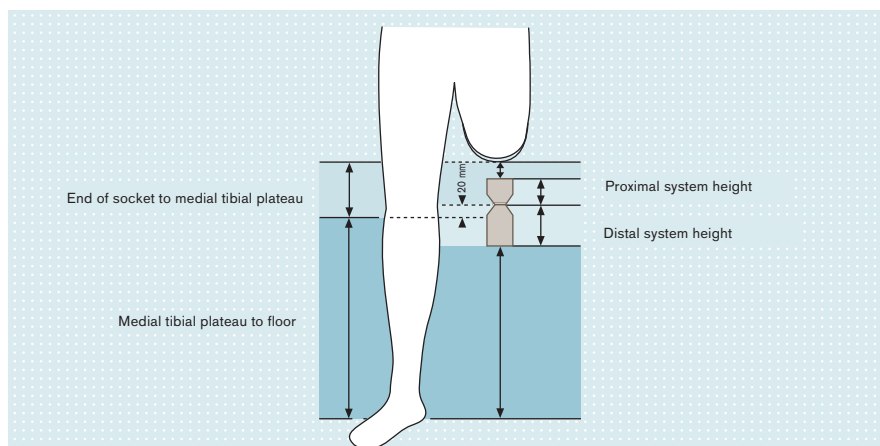
However, the system height of the knee joint alone does not provide you with information about the position of its alignment reference point.

This is why we also specify the proximal and distal system height to the alignment reference point for every modular knee joint. Now you are able to verify whether the available distal and proximal space is sufficient in order to integrate the chosen components.

Long residual limb and knee disarticulation fittings often require a compromise between shifting the knee component distal to the recommended position and, if applicable, choosing alternative components with lower system heights.

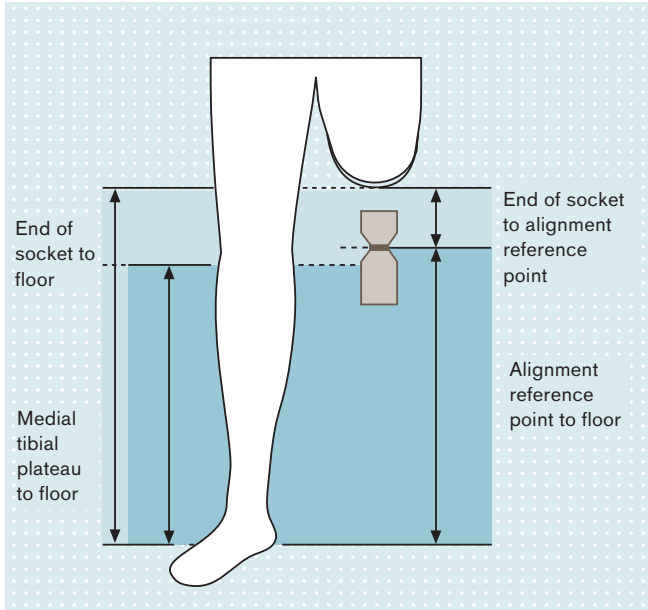


### Positioning the knee joint using the alignment reference point



## 4 steps to verify the exact fit of the chosen component combination in transfemoral fittings

### 1. Take patient measurements



### 2. Select components



### 3. Adding system heights

Components	System height		
	min.	max.	
4R116	- 2 mm		End of socket to alignment reference point = 87 mm
4R72=32	69 mm		
4R57	22 mm		
	Proximal -2 mm		Alignment reference point to floor min. = 455 mm, max = 831 mm
3R60	Distal 173 mm		
4R52	33 mm		
4R121=30	177 mm	553 mm	
1D35, size 27	72 mm		
<b>Structural height =</b>	<b>542 mm</b>	<b>918 mm</b>	

### 4. Comparing available socket-to-floor distance and clearance of the component combination.

The value of the socket end-floor measurement must be in between the minimum and maximum structural height of the component combination. Now you can also verify whether the chosen components permit optimum positioning of the knee joint (alignment reference point + 20 mm above the medial tibial plateau).

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## MOBIS

### The Ottobock mobility system

Quality and individuality are our top priority in the fabrication of a modular lower limb prosthesis. The choice of the correct prosthesis components by the prosthetist is a decisive factor for a successful fitting.

MOBIS is a further development of the Ottobock classification system introduced in 1994. It focuses on the person and his/her need for a better quality of life.

Four mobility grades and four weight classes form the basis of the MOBIS selection system.

With the help of the MOBIS symbol, the prosthetist can immediately recognise the mobility grade and patient weight for which functional components such as prosthetic feet, knee joints and hip joints are recommended.

With the exception of the torsion adapters and the DeltaTwist, the usual classification by patient weight applies to adapters.

Information:

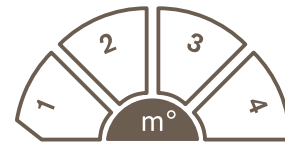
 Information:  
646A179=GB Special print: MOBIS – Ottobock mobility system



## The Ottobock mobility system

### MOBIS is based on 4 mobility grades:

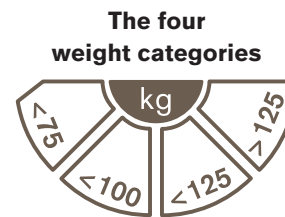
Indoor walker, restricted outdoor walker, unrestricted outdoor walker and unrestricted outdoor walker with especially high requirements.



**The four mobility grades**

### MOBIS defines 4 weight classes:

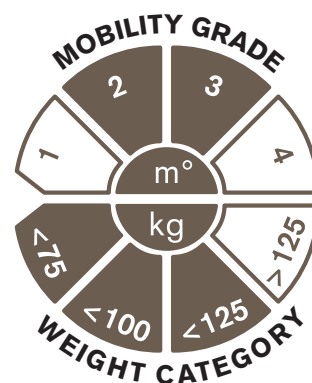
Patient weight up to 75 kg (165 lbs), up to 100 kg (220 lbs), up to 125 kg and over 125 kg (275 lbs). Ottobock thereby combines all information required for the selection of prosthesis components under one symbol. As usual, the component with the lowest weight classes is decisive for determining the maximum body weight. For example, if the 2R50 Tube Adapter is used, a maximum user weight of 100 kg (220 lbs) applies for the entire prosthesis.



**The four weight categories**

### MOBIS is easy to apply.

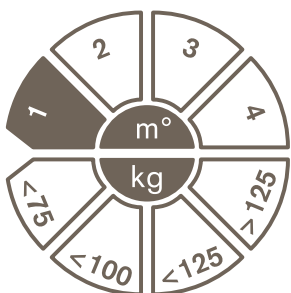
For example, the shaded segments in the upper half of the symbol show that the new 3R60 Modular EBS Knee Joint is recommended for users with mobility grade two and three. The notch on the left edge clarifies the counting direction. In the lower half, the segments <75 kg (165 lbs) to <125 kg (275 lbs) are shaded. Accordingly the new 3R60 is approved for a user weight of up to 125 kg (275 lbs).



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## The Ottobock mobility system: mobility grades and therapy goals

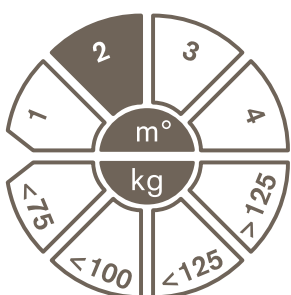


### Indoor walker

The patient has the ability or the potential to use the prosthesis for transfers or for the purpose of moving slowly on level floors. The amount of time and the distance the amputee can walk are seriously limited due to his or her condition.

**Therapy goal:**

Restoring the ability to stand and to walk indoors to a limited degree.

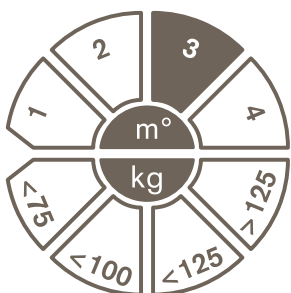


### Restricted outdoor walker

The patient has the ability or the potential to walk slowly with the prosthesis and to negotiate low environmental obstacles like curbs, single steps or uneven surfaces. The amount of time and the distance the amputee can walk are seriously limited due to his or her condition.

**Therapy goal:**

Restoring the patient's ability to stand and walk both indoors and outdoors.

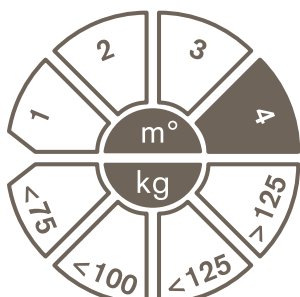


### Unrestricted outdoor walker

The patient has the ability or the potential to walk with the prosthesis at a medium to high speed as well as at different speeds and simultaneously overcome most natural obstacles. He or she is also capable of walking outdoors and engaging in professional, therapeutic and other activities that do not subject the prosthesis to above-average mechanical strain. There may be an increased need for safety due to secondary circumstances (additional disability, special living conditions) combined with medium to high mobility demands. The amount of time and the distance the patient can walk are only mildly restricted compared to individuals without disabilities.

**Therapy goal:**

Restoring the patient's ability to stand and to walk indoors and outdoors with only mild restrictions.



### Unrestricted outdoor walker with especially high requirements

The patient's ability or potential to walk with a prosthesis is similar to that of the unrestricted outdoor walker. The amount of time and walking distance are not limited. Moreover, due to the high functional demands, a high degree of shock, tension and distortion can occur.

**Therapy goal:**

Restoring the ability to stand, walk and move about both indoors and outdoors without any limitations.







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About this catalogue

# Lower limb prostheses for children

Children are ready to discover the whole world. They want to be independent early on and “keep pace” not only when playing and romping about, but also for all everyday activities.

The prosthetic fitting of children and adolescents is a challenge for humans and technology. Ottobock adapted its proven modular system for adults to the special needs of children. Using solid light metal, we designed very light, stable and functional modules.

Ottobock feet for children are available in sizes from 12 to 21 cm, permitting a full range of fittings for any age. Depending on the available installation space and the activity level, a choice of carbon feet and conventional prosthetic feet is available.

The 3R66 Polycentric Knee Joint allows for great mobility through its large 165° flexion angle. Additionally supported by an integrated rotation unit, children can easily assume the sitting and squatting position they like to take on for playing.

Children grow fast and expect more from their prosthesis in terms of functionality and load capacity as they grow up. The use of a 3R65 Knee Joint with a hydraulic swing phase control is recommended in this phase. It allows a wide range of walking speeds and thereby adapts optimally to the changing, sometimes fast, sometimes slower steps of the child.

The Ottobock modular system supports children from 2 years of age as they grow up, and also permits a smooth transition to the system for adults. For children 13 years and up or from a body weight over 45 kg, body size of 145 cm or foot size 21, knee joints such as the 3R106 or 3R95=1 can therefore be used.

Due to the extreme stresses that children place on the components, regular inspections and servicing by the prosthetist are essential in practice. We recommend that the components be inspected every 3 months. Proper functionality should be verified and the tube adapters examined for any evidence of deformities or damage.

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### 1S30 SACH foot for children

The 1S30 SACH\* Foot for Children is constructed in two sections and is especially suitable for young children who require a stable foot. The sole of the foot is replaceable. The functional properties are achieved through the proven combination of a contoured core and functional foam. It has been designed for use in modular or exoskeletal prostheses, and can be combined with the 2R40=2 Modular Adapter or the 2K36=17 Shaped Ankle Part.

Order example

Reference number	=	Side	Size
<b>1S30</b>	=	L	12
<b>Reference number</b>	<b>1S30</b>		
<b>Heel height</b>	10 +/- 5 mm		
<b>Side</b>	links (L), rechts (R)		
<b>Size</b>	12 cm	13 cm	
<b>System height with adapter</b>	37 mm	40 mm	
<b>Weight (without adapter)</b>	~ 90 g	~ 100 g	
<b>Colour</b>	beige/white		
<b>Max. body weight</b>	35 kg		

### Single components as spare parts for 1S30 SACH foot for children

#### 2Z25 Pedilan sole with heel wedge for 1S30

Order example

Reference number	=	Side	Size
<b>2Z25</b>	=	L	12
<b>Reference number</b>	<b>2Z25</b>		
<b>Side</b>	links (L), rechts (R)		
<b>Size</b>	12 cm	13 cm	

🔗 Accessories for modular and exoskeletal prostheses Page 20

## 1K30 Ottobock SACH foot for children

The 1K30 SACH\* Foot for Children is a robust prosthetic foot, tailored to the special needs of young prosthesis wearers. It has a natural shape, smooth surface and formed toes. The functional properties are achieved through the proven combination of a contoured core and functional foam. It is designed for use in modular and exoskeletal prostheses, and can be combined with a modular adapter or shaped ankle part.

Order example

Reference number	=	Side	Size						
<b>1K30</b>	=	L	16						
Reference number	<b>1K30</b>								
Heel height	5 +/- 5 mm								
Side	links (L), rechts (R)								
Size	14 cm	15 cm	16 cm	17 cm	18 cm	19 cm	20 cm	21 cm	
System height with 2R40	40 mm	42 mm	44 mm	46 mm	48 mm	50 mm	52 mm	54 mm	
Weight (without adapter)	~95 g	~115 g	~125 g	~145 g	~175 g	~180 g	~200 g	~220 g	
Colour	beige								
Max. body weight	35 kg				45 kg				



## 1K10 Ottobock dynamic foot for children

The 1K10 is a robust dynamic foot with a natural shape, smooth surface and formed toes. The contoured core construction and the use of foams with different characteristics result in a pleasant heel impact and, compared to the SACH\* foot, an easier rollover and improved energy return. The 1K10 was designed for use in modular or exoskeletal prostheses and can be combined with a modular adapter or ankle block.

Order example

Reference number	=	Side	Size						
<b>1K10</b>	=	L	16						
Reference number	<b>1K10</b>								
Heel height	5 +/- 5 mm								
Side	links (L), rechts (R)								
Size	14 cm	15 cm	16 cm	17 cm	18 cm	19 cm	20 cm	21 cm	
System height with 2R40	40 mm	42 mm	44 mm	46 mm	48 mm	50 mm	52 mm	54 mm	
Weight (without adapter)	~120 g	~130 g	~140 g	~155 g	~180 g	~210 g	~230 g	~255 g	
Colour	beige								
Max. body weight	35 kg				45 kg				



\*Solid Ankle Cushion Heel

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## Modular system accessories

• Please order separately.



647G97

### 2R40 Foot adapter with screw connection



Article number	2R40=2	2R40=1
<b>Material</b>	Aluminium/steel	
<b>for</b>	all 1S and 1K children's feet in sizes 12 – 17 cm	all 1S and 1K children's feet in sizes 18 – 21 cm
<b>Weight</b>	45 g	80 g
<b>with</b>	636W28 Ottobock Special Adhesive and Hardener	
<b>Max. body weight</b>	35 kg	45 kg

• System height already taken into consideration with the foot.

## Single components as spare parts for 2R40



### 2D6 Screw connection

Article number	2D6=M6	2D6=M8
<b>for</b>	2R40=2	2R40=1, 2R8=M8
<b>Scope of delivery</b>	1 cap screw 1 washer	1 cap screw (steel) 1 washer

## Exoskeletal accessories

- Please order separately.

### 2K36 Shaped ankle part

without threaded bushing, for use on the left and right side

<b>Article number</b>	<b>2K36=17</b>	<b>2K36=21</b>
<b>Size</b>	12 – 17 cm	18 – 21 cm



### 2Z22 Screw connection



<b>Article number</b>	<b>2Z22=M6</b>	<b>2Z22=M8x70</b>
<b>for</b>	2K36=17	2K36=21
<b>Scope of delivery</b>	1 threaded bushing 1 cap screw 1 washer	




### 1E66 Springlite II for children

The 1E66 Springlite II for Children is a carbon prosthetic foot with high energy return for everyday activities and recreational sports.

The foot is custom-made.

<b>Reference number</b>	<b>1E66</b>									
<b>Heel height</b>	6 mm									
<b>Size</b>	13 cm	14 cm	15 cm	16 cm	17 cm	18 cm	19 cm	20 cm	21 cm	
<b>Min. system height</b>	109 mm									
<b>Max. system height</b>	380 mm									
<b>Weight (without footshell and adapter)</b>	~240 g	~243 g	~245 g	~248 g	~250 g	~253 g	~255 g	~258 g	~260 g	
<b>Max. body weight</b>	50 kg									



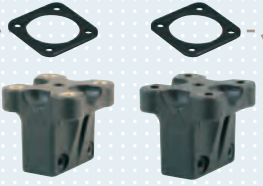




 SL=42P310

- Please order directly through customer service.
- Ordering information and measurement forms are found in the appendix.

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## Combination possibilities for the modular system

	Connection to modular components with pyramid adapter/receiver	Connection to modular components with tube clamp	Connection to socket adapter/attachment block
Accessories	 <p><b>4R82=P</b> Tube Clamp Adapter Ø 34 mm SH* -12 mm</p> <p><b>4R82</b> Tube Clamp Adapter Ø 34 mm SH* 33 mm</p>	<p>Ø 30 mm      Ø 22 mm      Ø 34 mm</p>  <p><b>2R182=30</b> Transfemoral Fitting SH* 89 mm</p> <p><b>2R182=22</b> Transfemoral Fitting max. SH* 76 mm min. SH* with 3R65 44 mm min. SH* with 3R66 51 mm</p>	<p>4-hole Euro M6      4-hole Euro M6 without thread</p>  <p><b>4R431=1</b> Socket Adapter SH* 5 mm</p> <p><b>4R431=2</b> Socket Adapter SH* 5 mm</p>
	<p>Ø 34 mm</p>  <p><b>2R183</b> Spacer sleeve, 50 mm SH* 6 mm</p> <p><b>2R183=L</b> Length adjustment, 120 mm SH* 79 mm</p>		<p>Single components</p>  <p><b>4R415</b> Spacer Plate, 4-hole, height 3 mm SH* 3 mm</p>

\* SH = system height

- 2R182=22: combination with 3R39 and 3R65.
- The remaining components can no longer be used with the Ottobock system for children; please use the **MOBIS** components.



647G338=04

### 1E79 SL profile for children

The 1E79 SL Profile for Children is a lightweight carbon foot suitable for Symes amputees. It is supplied with a pyramid for connection to the Ottobock modular system according to MOBIS. The foot is custom-made.

Reference number	1E79		
Heel height	6 mm		
Size	19 cm	20 cm	21 cm
System height	6 mm		
Weight (without footshell)	~155 g	~160 g	~165 g
Max. body weight	50 kg		


- Please order directly through customer service.
- Not compatible with the Ottobock system for children; please use **MOBIS** components.
- Ordering information and measurement forms are found in the appendix.



## 1E87 Chopart footplate for children

The 1E87 Chopart Footplate for Children is a carbon foot with very low clearance for fitting Chopart or hindfoot amputations. A complete kit for the direct connection to the prosthetic socket is available as an accessory.  
The foot is custom-made.



 SL=42P303

<b>Reference number</b>	<b>1E87</b>									
<b>Heel height</b>	6 mm									
<b>Size</b>	13 cm	14 cm	15 cm	16 cm	17 cm	18 cm	19 cm	20 cm	21 cm	
<b>Structural height</b>	15 mm			16 mm			17 mm			
<b>Weight (without footshell)</b>	~20 g	~21 g	~22 g	~23 g	~24 g	~25 g	~26 g	~27 g	~28 g	
<b>Max. body weight</b>	50 kg									

- Please order directly through customer service.
- Ordering information and measurement forms are found in the appendix.

## Accessories

- Order separately as necessary.

## 2E3 Footshell for children

Order example

<b>Reference number</b>	<b>=</b>	<b>Side</b>	<b>Size</b>
<b>2E3</b>	<b>=</b>	<b>L</b>	<b>14</b>

<b>Reference number</b>	<b>2E3</b>									
<b>Side</b>	links (L), rechts (R)									
<b>Size</b>	13 cm	14 cm	15 cm	16 cm	17 cm	18 cm	19 cm	20 cm	21 cm	
<b>Weight</b>	~60 g	~65 g	~70 g	~80 g	~90 g	~95 g	~100 g	~110 g	~120 g	
<b>Colour</b>	beige									



## SL=P078 Chopart bonding kit

Contains 636W80 Primer

<b>Article number</b>	<b>SL=P078</b>
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## SL=P071 Fill footshell foam kit

Soft, elastic foam for optional filling of the footshell.

<b>Article number</b>	<b>SL=P071</b>
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647G97

### 2R41=1 Tube adapter

The 2R41=1 Tube Adapter is designed for combination with the 2R40=1 Foot Adapter, and is suitable exclusively for use in transtibial prostheses and transfemoral prostheses below the knee joint.

<b>Article number</b>	<b>2R41=1</b>
<b>Diameter</b>	22 mm
<b>Material</b>	Aluminium
<b>Min. system height</b>	87 mm
<b>Max. system height</b>	330 mm
<b>Weight</b>	140 g
<b>Max. body weight</b>	45 kg



647G97

### 2R41=2 Tube adapter

The 2R41=2 Tube Adapter is designed for combination with the 2R40=2 Foot Adapter, and is suitable exclusively for use in transtibial prostheses and transfemoral prostheses, both above and below the knee joint.

<b>Article number</b>	<b>2R41=2</b>
<b>Diameter</b>	22 mm
<b>Material</b>	Aluminium
<b>Min. system height</b>	85 mm
<b>Max. system height</b>	288 mm
<b>Weight</b>	125 g
<b>Max. body weight</b>	35 kg



647G97

### 2R48 Tube adapter, angled 13°

The 2R48 Tube Adapter, angled is designed for combination with the 7E8 Modular Hip Joint.

<b>Article number</b>	<b>2R48</b>
<b>Diameter</b>	22 mm
<b>Material</b>	Aluminium
<b>Min. system height</b>	87 mm
<b>Max. system height</b>	229 mm
<b>Weight</b>	105 g
<b>Max. body weight</b>	45 kg



### 4R66 Tube clamp adapter

The 4R66 Tube Clamp Adapter is intended exclusively for use in transtibial prostheses.

<b>Article number</b>	<b>4R66</b>
<b>Diameter</b>	22 mm
<b>Material</b>	Aluminium
<b>System height</b>	- 11 mm
<b>Weight</b>	45 g
<b>Max. body weight</b>	45 kg

## 5R9 Socket attachment block

The 5R9 Socket Attachment Block is intended for use in transtibial and transfemoral prostheses.

<b>Article number</b>	<b>5R9</b>
<b>Material</b>	Plastic
<b>System height</b>	30 mm
<b>Weight</b>	125 g
<b>Max. body weight</b>	45 kg



647H119

- ▶ The enclosed 4X8 Lamination Dummy is to be used for laminating.

## 4R60 Socket adapter

The 4R60 Socket Adapter is intended for use in transtibial and transfemoral prostheses.

<b>Article number</b>	<b>4R60</b>
<b>Material</b>	Aluminium
<b>System height</b>	33 mm
<b>Weight</b>	45 g
<b>Max. body weight</b>	45 kg



647H119

## 4R110 Lamination anchor with pyramid receiver

The 4R110 Lamination Anchor is suited for use in transtibial and transfemoral prostheses, and is laminated into the socket.

<b>Article number</b>	<b>4R110</b>
<b>Material</b>	Aluminium
<b>System height</b>	35 mm
<b>Weight</b>	55 g
<b>Max. body weight</b>	45 kg



647H252

- ▶ The enclosed lamination dummy is to be used for laminating.

## Single components as replacement parts

Article number	2R41=1	2R41=2	2R48	4R60	4R66	4R110	5R9
<b>4X8</b> Lamination dummy							■
<b>501S41=M5x16</b> Countersunk head screw							▲
<b>501S42=M6X18</b> Oval allen head screw					▲		
<b>506G3=M6</b> Set screw	▲	▲	▲	▲		▲	

▲ minimum order quantity required    ■ can be ordered individually

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## Modular knee joints for children



647G99

### 3R39 Modular knee joint with lock

<b>Article number</b>	<b>3R39</b>
<b>Material</b>	Aluminium
<b>Distal connection</b>	Tube clamp Ø 22 mm
<b>Proximal connection</b>	Pyramid adapter
<b>Knee flexion angle</b>	145°
<b>System height</b>	24 mm
<b>proximal system height to alignment reference point</b>	2 mm
<b>distal system height to alignment reference point</b>	22 mm
<b>Weight</b>	145 g
<b>Version</b>	monocentric
<b>with</b>	adjustable locking mechanism to lock the joint
<b>Max. body weight</b>	45 kg

## Single components as replacement parts

### 4D20 Single component pack

<b>Article number</b>	<b>4D20</b>
<b>for</b>	3R39
<b>Consisting of</b>	1 joint axis 2 bearing washers 1 cylinder pin



647G99

### 3R38 Modular knee joint with individually adjustable extension assist mechanism to control the swing phase

<b>Article number</b>	<b>3R38</b>
<b>Material</b>	Aluminium
<b>Distal connection</b>	Tube clamp Ø 22 mm
<b>Proximal connection</b>	Pyramid adapter
<b>Knee flexion angle</b>	145°
<b>System height</b>	24 mm
<b>proximal system height to alignment reference point</b>	2 mm
<b>distal system height to alignment reference point</b>	22 mm
<b>Weight</b>	160 g
<b>Version</b>	monocentric
<b>Max. body weight</b>	45 kg

## Single components as replacement parts

### 4D15 Single component pack

<b>Article number</b>	<b>4D15</b>
<b>for</b>	3R38
<b>Consisting of</b>	1 cylinder pin 1 guide sleeve 1 round seal 1 joint axis 2 bearing washers

### 3R66 Modular knee joint with integrated rotation

- individually adjustable knee safety thanks to adjustable stop
- individually adjustable extension assist mechanism to control the swing phase

A rotation unit integrated in the lower joint section permits rotation of the prosthetic foot with automatic return upon load relief. Combined with the large flexion angle of approx. 165°, this enables a comfortable 'kneeling position' as well as crouching with the foot rotated to the outside.



 647H212

<b>Reference number</b>	<b>3R66</b>
<b>Material</b>	Aluminium
<b>Distal connection</b>	Tube clamp Ø 22 mm
<b>Proximal connection</b>	Pyramid adapter
<b>Knee flexion angle</b>	175°
<b>System height</b>	78 mm
<b>proximal system height to alignment reference point</b>	- 6 mm
<b>distal system height to alignment reference point</b>	83 mm
<b>Weight</b>	310 g
<b>Version</b>	polycentric
<b>Max. body weight</b>	35 kg

⚠ Not suitable for hip disarticulation fittings.

### 3R65 Modular knee joint with hydraulic swing phase control

A miniature hydraulic system with terminal damping makes dynamic adaptation to changing walking speeds possible. Extension and flexion damping are individually adjustable to the mobility of young users.



 647H180

<b>Reference number</b>	<b>3R65</b>
<b>Material</b>	Aluminium
<b>Distal connection</b>	Tube clamp Ø 22 mm
<b>Proximal connection</b>	Pyramid adapter
<b>Knee flexion angle</b>	145°
<b>System height</b>	74 mm
<b>proximal system height to alignment reference point</b>	8 mm
<b>distal system height to alignment reference point</b>	67 mm
<b>Weight</b>	315 g
<b>Version</b>	monocentric
<b>Max. body weight</b>	45 kg

## Single components as replacement parts

### 4D17 Single component pack

<b>Article number</b>	<b>4D17</b>
<b>for</b>	3R65
<b>Consisting of</b>	1 oval head countersunk screw 1 extension stop bumper

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## Modular hip joint for children



 647G98

### 7E8 Modular hip joint

<b>Article number</b>	<b>7E8</b>
<b>Material</b>	Aluminium
<b>Distal connection</b>	Tube clamp Ø 22 mm
<b>Proximal connection</b>	Lamination plate
<b>System height</b>	19 mm
<b>Weight</b>	215 g
<b>Version</b>	monocentric
<b>with</b>	individually adjustable extension assist mechanism to control the swing phase, adjustable abduction/adduction and flexion/extension position
<b>Max. body weight</b>	45 kg

## Single components as replacement parts

### 7D3 Single component pack

<b>Article number</b>	<b>7D3</b>
<b>for</b>	7E8
<b>Consisting of</b>	1 cylinder pin 1 extension tappet 1 bearing washer 1 extension stop bumper

## Exoskeletal joint for children

### 3P21 Knee-shin component for children, single-axe

Order example

Reference number	=	Side	Size
3P21	=	L	26

<b>Reference number</b>	<b>3P21</b>
<b>Material</b>	Poplar
<b>Side</b>	links (L), rechts (R)
<b>Calf circumference</b>	24 cm, 26 cm, 28 cm
<b>with</b>	Knee axis brake, centre stop and closed knee ball



## Accessories

- Order separately as necessary.

### 726W11 Tapered reamer

for reaming out worn knee axis bushings

<b>Article number</b>	<b>726W11</b>
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## Single components as replacement parts

### 3D5 Single component pack

<b>Article number</b>	<b>3D5</b>
<b>for</b>	3P21
<b>Consisting of</b>	1 knee axis with knee axis screw (stainless steel) (1) 2 knee axis bushings (2) 1 extension stop frame (3) 2 oval head screws (4) 2 set screws, slotted (5) 2 constant friction units (plastic) (6) 1 stop (Pedilan) (7)



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## Cosmetics for children



### 6R7 PUR flexible foam cover

The cover for children's modular transtibial prostheses has a 22 mm diameter bore and is pre-shaped. It can be used on either the left or right side.

<b>Article number</b>	<b>6R7</b>
<b>Tube diameter</b>	22 mm
<b>Material</b>	PUR flexible foam
<b>Length</b>	approx. 35 cm
<b>Colour</b>	beige

- The material is flame retardant according to DIN 75200. Complies with MVSS 302 ≤ 100 mm.



### 3R48 PUR flexible foam cover

The cover for children's modular transfemoral and hip disarticulation prostheses has a 22 mm diameter bore and is pre-shaped. It can be used on either the left or right side.

<b>Article number</b>	<b>3R48</b>
<b>Tube diameter</b>	22 mm
<b>Material</b>	PUR flexible foam
<b>Length</b>	approx. 70 cm
<b>Colour</b>	beige

- The material is flame retardant according to DIN 75200. Complies with MVSS 302 ≤ 100 mm.



### 99B22 Nylon cosmetic stockings

The nylon cosmetic stockings are intended as exterior cosmetic covers for children's modular knee disarticulation, transfemoral and pelvic prostheses.

<b>Article number</b>	<b>99B22=1</b>	<b>99B22=2</b>	<b>99B22=3</b>
<b>Length</b>	approx. 34 cm	approx. 37 cm	approx. 44 cm





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# Initial and interim prostheses

Early fitting of a prosthesis plays a significant role in rehabilitation success. The prompt and correct application of compression to the residual limb, together with getting the amputee back on his or her feet as soon as possible, have a positive impact on the rehabilitation process.

As a temporary measure, bridging the time between the early and definitive fittings with an interim prosthesis is expedient (e.g. with the Halmstad interim transtibial prosthesis). A trial fitting can help determine whether or not the amputee is capable of standing and walking.

Special adapters have proven themselves for the length adjustments and alignment optimisation required leading up to a definitive fitting. Ottobock offers length-adjustable tube adapters and sliding adapters to help you adjust the alignment to the patient's needs during trial walking. Most of them have scales to make reproducible adjustments easier and to simplify documentation. When the definitive prosthesis is fabricated, these adapters are replaced by structural components classified under MOBIS, the Ottobock mobility system.

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## Saarbrücken early fitting prosthesis (SFP)

This structure is a reusable therapy prosthesis that can be used for transtibial amputation and knee disarticulation patients. The weight-bearing element is a laminated frame with distal modular connection. Two pneumatic sleeves compress the residual limb to prevent oedema. An adjustable manometer assists in fitting and accommodates changes in the residual limb by adjusting the compression. The timing of the first fitting, degree of compression, etc., are determined by the amputee's medical team. Components for connection to the Ottobock modular system consist of the following:

 646V22=GB  
647H162




### 6K4 Frame socket

Article number	6K4=1	6K4=2
Material	Lamination Resin	
Distal connection	Pyramid adapter	
Length	55 cm	43 cm
for	Transtibial residual limb	Knee disarticulation



### 6S2 Pneumatic transfemoral cover


Article number	6S2=1	6S2=2
Length	48 cm	40 cm
Circumference top/bottom	64/50 cm	60/52 cm
for	Transtibial residual limb	Knee disarticulation

 Single use only.



### 99B23 End bearing cushion

Article number	99B23
∅	165 mm
Length	250 mm

 Single use only.

## 6S1 Pneumatic end bearing cover

<b>Article number</b>	<b>6S1</b>
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- ▶ Single use only.



## 743D1 Manometer with inflatable ball

<b>Article number</b>	<b>743D1</b>
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<b>Consisting of</b>	Expulsion valve and hose connection 616R2=8x1.5 PVC Hose (length 200mm ) 616R8 Hose Adapter
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- ▶ Information on Saarbrücken early fitting prosthesis: residual limb socks are listed starting on Page 264.

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### 2R45=S Tube adapter, short, length adjustable

The adapter serves as an adjusting element for alignment optimisation and must be removed before completion of the definitive prosthesis.

<b>Article number</b>	<b>2R45=S</b>
<b>Diameter</b>	30 mm
<b>Material</b>	Stainless steel
<b>System height</b>	70 mm
<b>Weight</b>	200 g
<b>Max. body weight</b>	100 kg

Exclusively for use in initial and/or interim prostheses!



647G255

### 2R45=34 Tube adapter, ø 34 mm, length adjustable

The adapter serves as an adjusting element for alignment optimisation and must be removed before completion of the definitive prosthesis. Thanks to the two scaled light metal tubes that are included, the adapter is length adjustable. The exterior and interior rotation of the foot can also be adjusted.

<b>Article number</b>	<b>2R45=34</b>
<b>Diameter</b>	34 mm
<b>Material</b>	Stainless steel
<b>Min. system height</b>	268 mm
<b>Max. system height</b>	398 mm
<b>Weight (with 2R56=230 Tube)</b>	430 g
<b>Weight (with 2R56=300 Tube)</b>	470 g
<b>Max. body weight</b>	125 kg

Exclusively for testing and trial fitting purposes in initial and/or interim prostheses!



### 4R101 Sliding adapter

The 4R101 Sliding Adapter is installed between the socket attachment block (5R1 or 5R6) and the socket adapter (e.g. 4R51).

Independent repositioning in the frontal and sagittal plane is possible. The displacement can be read on the scale.



647H141



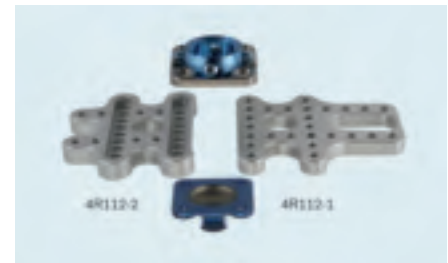
<b>Article number</b>	<b>4R101</b>
<b>Material</b>	Aluminium
<b>System height</b>	25 mm
<b>Weight</b>	205 g
<b>Offset in m-l and a-p direction</b>	+/- 11 mm
<b>Max. body weight</b>	100 kg

In transtibial prostheses, the 4R101 Sliding Adapter is only suited for initial and/or interim use; in transfemoral prostheses, it is also suited for definitive use.

## 4R112 Sliding adapter set

The sliding adapter set is used to optimise the alignment of modular lower limb prostheses within the scope of initial fittings for a limited time and/or interim fittings. It includes 2 mounting plates as well as an adapter with pyramid adapter and an adapter with pyramid receiver. Adjustments in the frontal and sagittal plane as well as the rotation direction are possible.

<b>Article number</b>	<b>4R112</b>
<b>Material</b>	Aluminium, Titanium
<b>System height (plate plus both adapters)</b>	32 mm
<b>Weight</b>	zwischen 195 g und max. 510 g
<b>Offset in a-p direction</b>	with mounting plate 1: 48 mm in 12 mm increments with mounting plate 2: 24 mm in 12 mm increments
<b>Offset in m-l direction</b>	with mounting plate 1: 24 mm in 12 mm increments with mounting plate 2: 18 mm in 9 mm increments
<b>Rotation adjustment</b>	+/- 18° in 3° increments
<b>Max. body weight</b>	100 kg



647H457



## 4R1 Adjustment adapter

The 4R1 Adjustment Adapter is an adjustment tool to be used solely for the trial fitting of lower limb prostheses.

It facilitates correct static alignment and permits adjustments on the standing patient under load. The scales permit reproducible adjustments, so that the gait pattern can be optimised quickly during trial walking.

<b>Article number</b>	<b>4R1</b>
<b>Material</b>	Aluminium
<b>System height</b>	68 mm
<b>Weight</b>	615 g
<b>Offset in a-p direction (max. displacement)</b>	50 mm (corresponds to 25 mm respectively)
<b>Offset in m-l direction (max. displacement)</b>	30 mm (corresponds to 15 mm respectively)
<b>Max. body weight</b>	100 kg



647H451



- The use of the 4R1 is recommended in particular with the 743L100=110 or =230 L.A.S.A.R. Posture and the 743A160 Ottobock Transfer Apparatus.



## Single components as replacement parts

Article number	2R45=S	2R45=34	4R101	4R112	4R1
<b>2R56=230</b> Scaled tube 230 mm		■			
<b>2R56=300</b> Scaled tube 300 mm		■			
<b>4R112-1</b> Mounting plate				■	
<b>4R112-2</b> Mounting plate				■	
<b>4Y19</b> Pressure plate				▲	
<b>4Y212</b> Clamping nut			▲		
<b>501S41=M6x12</b> Countersunk head screw (allen screw)				▲	
<b>501S41=M6x16</b> Countersunk head screw (allen screw)					▲
<b>501S44=M6x25</b> Oval flange head screw (allen screw)			▲		
<b>501S71=M6x25</b> Countersunk head screw (allen screw)				▲	
<b>501T48=M6x25</b> Cap screw (allen screw)				▲	
<b>501T61=M6x12</b> Cap screw				▲	
<b>501Z2=M6x25</b> Cap screw	▲				
<b>502Z22=M6</b> Hexagon nut (with conical support)				▲	
<b>506G3=M4x12</b> Set screw			▲		
<b>506G3=M8x12-V</b> Grub screw	▲	▲		▲	▲
<b>507U12=6.2x10.3</b> Washer				▲	

▲ minimum order quantity required      ■ can be ordered individually

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# Waterproof walking devices

## Aqualine – the product line for waterproof walking devices

Activities within wet areas present a special challenge to both amputees and non-amputees. Both adjust to this situation by behaving accordingly, e.g. by walking at an appropriate speed. An amputee will also depend on the prosthesis being designed to meet the special requirements in these areas (e.g. resistance to water, increased safety in the stance phase), so that the artificial leg can be reliably used.

Ottobock has optimised components of the modular system specifically for the challenges presented by wet areas, and matched them to each another. Aqualine encompasses a comprehensive range of products that include numerous waterproof prosthesis components such as knee joints, feet and various waterproof parts such as valves, shuttle locks and liners. This comprehensive system has been supplemented with the addition of a functional and visually appealing cosmetic solution – the Aqualine Cover.

The components can be combined into a modular bathing prosthesis system, or used to fabricate a bathing prosthesis with an exoskeletal design.

They are suitable for amputees up to a body weight of 150 kg.

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647G818

### 3WR95 Aqua-Knee

The Aqua-Knee is water-resistant.

It is small, light and equipped with a miniature hydraulic unit and a lock. Less active and unsure prosthesis users can activate the lock to achieve greater stability during the stance phase.

When used unlocked, dynamic flexion and extension resistances can be adjusted separately from one another for swing phase control appropriate to the particular needs of the amputee.

Flood holes to the right and left on the joint body make it possible for the knee joint to flood when setting foot in water and facilitate cleaning the joint.



≤ 150 kg

<b>Article number</b>	<b>3WR95</b>
<b>Material</b>	Aluminium
<b>Distal connection</b>	Pyramid adapter
<b>Proximal connection</b>	Pyramid adapter
<b>Knee flexion angle</b>	135°
<b>System height</b>	62 mm
<b>proximal system height to alignment reference point</b>	6 mm
<b>distal system height to alignment reference point</b>	56 mm
<b>Weight</b>	~ 400 g
<b>Max. body weight</b>	150 kg

## Single components as replacement parts

### 4G685 Knee forming cover

<b>Article number</b>	<b>4G685</b>
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### 501S101=M4x12 Screw to secure the knee forming cover

<b>Article number</b>	<b>501S101=M4x12</b>
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### 4X50 Adjustment wrench

<b>Article number</b>	<b>4X50</b>
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## 1WR95 Aqua-foot with modular adapter

The 1WR95 Aqua-Foot is water-resistant.

It is equipped with a grid-shaped sole tread and has excellent floor adhesion thanks to its particular material composition and moulding.

It has a natural shape with defined toes and an abducted big toe.

The proximal contact surface in the modular version described here is coated ex factory with sealing resin against water penetration and connected to a high-grade titanium foot adapter. Access to the adapter's screw on the sole of the foot is sealed with a plug.

Order example

Reference number	=	Side	Size	-	0	-	Connection	/	Colour
1WR95	=	L	26	-	0	-	P	/	4



≤ 150 kg

Reference number	1WR95				
Heel height	0 mm				
Sides	links (L), rechts (R)				
Size	24 cm	25 cm	26 cm	27 cm	28 cm
System height	61 mm	64 mm	67 mm	70 mm	72 mm
Weight	~507 g	~556 g	~629 g	~671 g	~704 g
Colour	beige (4)				
Max. body weight	150 kg				



647G634

## 1WR95 Aqua-foot without adapter for exoskeletal design

The 1WR95 Aqua-Foot without adapter is functionally and cosmetically identical to the foot version for the modular design. It is intended only to be used in waterproof walking aids in exoskeletal design.

Order example

Reference number	=	Side	Sizes	-	0	-	Connection	/	Colour
1WR95	=	L	26	-	0	-	W	/	4



≤ 150 kg

Reference number	1WR95				
Heel height	0 mm				
Sides	links (L), rechts (R)				
Size	24 cm	25 cm	26 cm	27 cm	28 cm
System height	72 mm	75 mm	78 mm	81 mm	83 mm
Weight	~437 g	~486 g	~559 g	~601 g	~634 g
Colour	beige (4)				
Max. body weight	150 kg				



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## Accessories



### 2K34 Shaped ankle part

Without threaded bushing, for 1WR95 without adapter, to be used on the left or right side.

<b>Article number</b>	<b>2K34=25</b>	<b>2K34=30</b>
<b>for foot sizes</b>	24 – 25 cm	26 – 30 cm



### 2Z22=M10 Screw connection

For 1WR95 without adapter for screw connection between foot and ankle block.  
(for all foot sizes)

<b>Article number</b>	<b>2Z22=M10</b>
<b>Scope of delivery</b>	1 threaded bushing 1 cap screw 1 washer



### 6R95 Aqualine cover

The Aqualine Cover is designed especially for use with the 3WR95 Aqua-Knee and the 1WR95 Aqua-Foot, as well as for contact with water.

Its contours are exceptionally aesthetic and it is extremely robust thanks to innovative fabrication processes and materials.

The cover is floodable. As a result, it does not become buoyant when setting foot in water. When leaving the water, any water in the prosthesis drains quickly and unobtrusively via an opening on the inside at ankle height.

The integrated locking mechanism allows the amputee to don and doff the cover as needed and also to clean it.

The Aqualine Cover is customised for each user by Ottobock and coated with skin-colour SuperSkin, creating a harmonious appearance and pleasant surface.

<b>Article number</b>	<b>6R95</b>
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- Further information about the Aqualine Cover and the ordering process is available from Ottobock Service Fabrication.
- Scratches/signs of use can be repaired with the 635Z56 SuperSkin Repair Set when needed

## 635Z56 Superskin repair set

The touch-up applicator with brush and mixing ball can be used to repair non-PUR products. The material is insensitive to dirt and also washable.

<b>Article number</b>	<b>635Z56</b>
<b>Colour</b>	Skin colour
<b>Net contents</b>	12 ml



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647G635

### 4WR95=1 Lamination anchor with pyramid receiver and angled arm

The 4WR95=1 Lamination Anchor is water-resistant.

It features a rotating pyramid receiver and an angled anchor arm, which is intended for posterior positioning. This allows easy positioning of the adapter in order to achieve optimized prosthesis alignment. The flexion position of the residual residual limb/socket is taken into account. No or only little manual bending is required.



≤ 150 kg

<b>Article number</b>	<b>4WR95=1</b>
<b>Material</b>	INOX stainless steel
<b>System height</b>	44 mm
<b>Weight</b>	165 g
<b>Max. body weight</b>	150 kg

- Only suitable for use in transfemoral prostheses.
- Use the 4X46 Lamination Dummy when laminating. It must be ordered separately (see accessories Page 142).



647G635

### 4WR95=2 Lamination anchor with pyramid adapter

The 4WR95=2 Lamination Anchor is water-resistant.

It has a rotatable pyramid adapter.



≤ 150 kg

<b>Article number</b>	<b>4WR95=2</b>
<b>Material</b>	INOX stainless steel
<b>System height</b>	2 mm
<b>Weight</b>	165 g
<b>Max. body weight</b>	150 kg

- Use the 4X46 Lamination Dummy when laminating. It must be ordered separately (see accessories Page 142).
- If there is not enough space between the 3WR95 Aqua-Knee and socket for the combination 2WR95 Tube Adapter and 4WR95=3 Tube Clamp Adapter, the 4WR95=1 Lamination Anchor with Pyramid Receiver must be used. In this case, the connection to the knee joint is formed directly by the lamination anchor. Gaps which may need to be bridged must be closed by filling the socket with foam.



## 2WR95 Tube adapter

The 2WR95 Tube Adapter is water-resistant

It has four grooves in the pyramid receiver section, which ensure that the tube is flooded when setting foot in water. The prosthesis is prevented from becoming buoyant as a result.



≤ 150 kg

<b>Article number</b>	<b>2WR95</b>
<b>Diameter</b>	34 mm
<b>Material</b>	Titanium
<b>Min. system height</b>	77 mm
<b>Max. system height</b>	472 mm
<b>Weight</b>	330 g
<b>Max. body weight</b>	150 kg

- According to the Ottobock alignment recommendations, bench alignment of the waterproof walking device with the 1WR95 Aqua-Foot on 0 mm heel height is usually only possible with the aid of the angled tube adapter. Therefore use the 2WR95=1 Angled Tube Adapter. If needed, the 2WR95 Tube Adapter which is not angled may be used for TF amputees in the transfemoral area.



647G766

## 2WR95=1 Tube adapter, angled

The 2WR95=1 Tube Adapter is water-resistant.

It is the same as the 2WR95 Tube Adapter, but is inclined by 6° for alignment optimisation.



≤ 150 kg

<b>Article number</b>	<b>2WR95=1</b>
<b>Diameter</b>	34 mm
<b>Material</b>	Titanium
<b>Min. system height</b>	78 mm
<b>Max. system height</b>	473 mm
<b>Weight</b>	330 g
<b>Angle</b>	6°
<b>Max. body weight</b>	150 kg

- According to the Ottobock alignment recommendations, bench alignment of the waterproof walking aid with the 1WR95 Aqua-Foot on 0 mm heel height is usually only possible with the aid of the angled tube adapter. Therefore use the 2WR95=1 Angled Tube Adapter. If needed, the 2WR95 Tube Adapter which is not angled may be used for TF amputees in the transfemoral area.



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647G632

## 4WR95=3 Tube clamp adapter

The tube clamp adapter is water-resistant.

It has four grooves in the pyramid receiver section, which ensure that the adapter is flooded when setting foot in water. The prosthesis is prevented from becoming buoyant as a result.



≤ 150 kg

<b>Article number</b>	<b>4WR95=3</b>
<b>Diameter</b>	34 mm
<b>Material</b>	Titanium
<b>System height</b>	33 mm
<b>Weight</b>	105 g
<b>Max. body weight</b>	150 kg

## Single components as replacement parts

Article number	2WR95	2WR95=1	4WR95=1	4WR95=2	4WR95=3
<b>4X28=3</b> Plastic ring					■
<b>4Y423</b>					■
<b>4Y424</b>					■
<b>501T24=M5x25</b>			■	■	■
<b>506G3=M8X12-“NIRO“</b>			▲		
<b>506G3=M8X14-“NIRO“</b>	▲	▲			▲
<b>506G3=M8X16-“NIRO“</b>	▲	▲	▲		▲
<b>507U16=5.2-Niro</b> Rounded washer			▲	▲	

▲ minimum order quantity required      ■ can be ordered individually



647H483

## 6A30=20 Shuttle Lock

The lightweight 6A30=20 Plastic Shuttle Lock is water-resistant.

The integrated ratchet unit makes for easy unlocking even under tension. Locking is continuously variable so that "clicking noises" do not occur when walking. The Shuttle Lock has no weight limit and is embedded directly in the socket. It is used with liners having a distal connection (for the waterproof walking devices with Silicone liner 6Y43 Skeo Pure without textile cover)

<b>Article number</b>	<b>6A30=20</b>
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## Accessories

### 6Y13=L1 Pin, long

<b>Article number</b>	<b>6Y13=L1</b>
<b>Length</b>	68.7 mm

## 6Y43 Skeo Pure

Thanks to its transparent silicone material, the Skeo Pure liner allows for a visual check of the fit and the skin's appearance, which offers a significant advantage e.g. for interim fittings.

### Benefits

- Special outside coating makes the liner easy to don and doff, easy to clean and quick to dry
- Textured inner surface is gentle on the skin when donning and doffing and when bending the knee
- Integrated stabilizing matrix creates a more comfortable distal connection by minimizing pistoning (longitudinal stretching) without restricting radial stretching around the residual limb
- Because it dries very quickly, the liner is also ideal for use in waterproof prostheses
- Easy to cut or trim for better fit

Order example

**Reference number = Size**

**6Y43 = 280**

Reference number	6Y43
Size (distal circumference)	120 mm, 140 mm, 160 mm, 180 mm, 200 mm, 210 mm, 220 mm, 235 mm, 250 mm, 265 mm, 280 mm, 300 mm, 320 mm, 340 mm, 360 mm, 380 mm, 400 mm, 420 mm, 450 mm

- Can be used in combination with a waterproof prosthesis.

## 21Y14 PushValve

The 21Y14 PushValve is water-resistant.

Thanks to its threadless design, rotating or screwing movements are not required. Handling is thus made substantially easier for the user and a secure hold in the socket is produced as a result. An audible signal indicates that the valve is safely positioned.

Reference number	21Y14
Area of application	Transfemoral amputation



SIL



647H530



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## 21Y21 ClickValve

(with safety leash in grey)

The ClickValve features a safety leash to avoid losing the upper valve part. Multi-option means:

- Complete use of the safety leash, OR
- Use of the upper grip section, OR
- No use of the safety leash

The significant height and outer diameter reduction as well as the unique design ensure good cosmetic processing in the socket.

Advantages for prosthetists and users:

- Conical shape for easy insertion in the lower valve part
- Safety leash avoids losing the upper valve part
- The "click" offers audible feedback for proper valve positioning
- Risk of haematoma is alleviated thanks to lateral air exhaust openings and a flush inside socket surface
- Straightforward and time-saving installation
- Good cosmetic aspect

<b>Reference number</b>	<b>21Y21</b>
<b>Area of application</b>	Transfemoral amputation



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# Sport prostheses

Through its commitment to the Paralympic Games, Ottobock has long been dedicated to sport. The technology from the custom prosthesis for competitive sport has now successfully been transferred to mass-produced prosthetic components for amateur sport.

High demands are placed on a sport prosthesis – it has to be sturdy, yet also lightweight and compact.

The Ottobock sport prostheses enable you to exercise your potential fully and vary it as needed.

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## 3S80 Sport

The 3S80 Sport features optimal swing phase control for running. Even at high stride rates, harmonious extension is ensured by extension damping throughout the entire extension movement, increasing gently just before reaching the end position. Flexion and extension damping can be adjusted separately. The larger flexion angle for jogging and sprinting is precisely controlled by flexion damping.



<b>Article number</b>	<b>3S80</b>
<b>System height</b>	48 mm
<b>Flexion angle</b>	135°
<b>Weight</b>	682 g
<b>Max. body weight</b>	100 kg



 647G839 Instructions for Use

## 4R206 TF test sport foot adapter

The 4R206 TF Test Sport Foot Adapter in combination with a suitable socket adapter (e.g. 4R77 or 4R51) joins the 1E90 Sprinter prosthetic sport foot to a prosthetic sport knee joint (e.g. 3S80). It is intended exclusively for trial fitting and enables selection of a suitable 1E90 Sprinter model. The foot is inserted into the adapter and can be adjusted vertically. A clamping mechanism allows the adapter to be secured and released at various heights, thereby helping to establish the suitable height and length of the foot and subsequently shorten it accordingly. The horizontal offset of the socket adapter permits anterior or posterior placement of the foot if required. Three different positions are possible.



<b>Article number</b>	<b>4R206</b>
<b>Material</b>	Aluminium
<b>System height</b>	2 mm
<b>Weight</b>	580 g
<b>Max. body weight</b>	100 kg



 647G839 Instructions for Use

## 4R204 TF definitive sport foot adapter

Once the right 1E90 Sprinter model has been selected and shortened to the definitive length and height, the 4R206 TF Test Sport Foot Adapter in the prosthesis is replaced by the 4R204 TF Definitive Sport Foot Adapter.



<b>Article number</b>	<b>4R204</b>
<b>Material</b>	Aluminium
<b>System height</b>	2 mm
<b>Weight</b>	440 g
<b>Max. body weight</b>	100 kg



## 1E90 Sprinter

The 1E90 Sprinter foot may be used in combination with other components that have been designed and performance tested for use in running or similar athletic activities. The following Ottobock sports and fitness components have been performance tested with the 1E90 Sprinter foot: 3S80 Sports Prosthetic Knee.

The foot provides very high energy return and is available in six stiffness versions to accommodate various body weights.



<b>Reference number</b>	<b>1E90</b>
<b>Weight</b>	600 g
<b>Scope of delivery</b>	Carbon spring
<b>Max. body weight</b>	125 kg

- The 2R177=18 and 2R177=5 adapters can continue to be used as spare parts.



647F435  
647F483

647G849

## 2Z500 Universal sole with running shoe tread

The universal sole with a running shoe tread is suitable for running on a variety of surfaces.

<b>Article number</b>	<b>2Z500</b>
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647G848

## 2Z501 Spike sole

The spiked sole can be used for fast sprints, especially on an all-weather track.

<b>Article number</b>	<b>2Z501</b>
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647G848

## 4G791=KIT Accessory kit

<b>Article number</b>	<b>4G791=KIT</b>
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### 4R210 TT test sport foot adapter



<b>Article number</b>	<b>4R210</b>
<b>Material</b>	Aluminium
<b>Weight</b>	385 g
<b>Max. body weight</b>	100 kg



### 4R208 TT definitive sport foot adapter



<b>Article number</b>	<b>4R208</b>
<b>Material</b>	Aluminium
<b>Weight</b>	284 g
<b>Max. body weight</b>	100 kg



### 4R420 Posterior connection plate (set)

for direct lamination in transtibial fittings (posterior)

<b>Article number</b>	<b>4R420</b>
<b>Max. body weight</b>	Unlimited



### 2R176=T T-Adapter

for direct lamination in transtibial fittings (distal)

<b>Article number</b>	<b>2R176=T</b>
<b>Max. body weight</b>	Unlimited



### 2R177 L-Adapter

for transfemoral fittings

<b>Article number</b>	<b>2R177=5</b>	<b>2R177=18</b>
<b>Angle</b>	5°	18°
<b>Max. body weight</b>	Unlimited	

## 3R2 ProCarve knee joint

The ProCarve sports prosthetic system includes a monocentric, aluminium sports knee equipped with a high-performance hydraulic damping element and a disengagement function to make sitting down more comfortable. The damping element – a combination of a pneumatic spring and a hydraulic unit – ensures dynamic movement. The individually adjustable air pressure controls the flexion movement and the hydraulics dampen the extension movement. When re-engaged, the flexion angle is limited to 67°. In order to sit down, the user can bend the knee joint easily without damping simply by pulling on the attached belt. The maximum flexion angle when disengaged is 80°. Together with the ProCarve foot component, this provides a targeted and coordinated system solution for users with an aboveknee amputation or knee disarticulation.



<b>Article number</b>	<b>3R2</b>
<b>System height</b>	241 mm
<b>Flexion angle (locked)</b>	80°
<b>Flexion angle (unlocked)</b>	67°
<b>Weight</b>	1190 g
<b>Scope of delivery</b>	Blocking clip
<b>Max. body weight</b>	100 kg



## 1E2/1E2=1 ProCarve foot

The ProCarve foot can be used as an independent unit or in combination with the ProCarve knee joint. It is connected directly to the ski binding or combined with a footshell that has a shape suited especially for snowboard boots.

Like the ProCarve knee, the foot includes a high-performance, robust damping unit for controlling the movement around the pivot point. The function and the adjustment options are the same as for the damping unit in the knee joint.

A second version of the foot (1E2=1) offers increased stiffness, from which advanced riders with below-knee amputation can profit the most.



<b>Article number</b>	<b>1E2/1E2=1</b>
<b>Size</b>	One size
<b>System height</b>	120 mm (attachment parts for ski fittings) 103mm (with footshell)
<b>Weight</b>	1550 g
<b>Scope of delivery</b>	Foot pads with soles for the ski binding, footshell for snowboard boots, high-pressure air pump
<b>Max. body weight</b>	100 kg



## 4G901 Footshell

Shaped for snowboard boots.

<b>Article number</b>	<b>4G901</b>
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### 755Y68 High-pressure air pump

For adjusting the air pressure.

Article number	755Y68
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### 4G115 Blocking clip

Blocks damping function for easier walking.

Article number	4G115
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# Modular prosthetic feet

Since the prosthetic foot greatly influences the biomechanical properties of a prosthesis, particular care should be taken in choosing it.

Ottobock prosthetic feet are developed using numerical and mechanical simulation, and are optimised for the respective mobility grade. Company know-how in the field of materials technology with high-performance synthetic materials, titanium and carbon ensures defined characteristics and high durability. This results in prosthetic feet that even exceed the applicable strength test standards.

Absolute suitability for the patient is just as much understood as easy handling in the workshop.

For the functional properties of modular prosthetic feet, mobility and flexibility in the sagittal, frontal and horizontal planes are meaningful qualities. Function, cosmetics, weight, durability, etc. are important criteria for the quality of the fitting. The structure of the foot component and the design of the joint are responsible for the function and biomechanical properties such as dorsiflexion resistance during standing, behaviour at heel strike, rollover and toe-off.

Most Ottobock prosthetic feet are supplied as fully assembled foot structures with a modular connector. The corresponding adapter of single axis feet, dynamic feet, SACH feet and pylon feet is made of titanium, steel or aluminium and usually delivered as a separate component.

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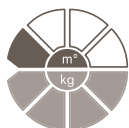
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## Mobility grade 1



### 1G6 Pedilan Light Foot with toes

The lightweight, jointless foot for geriatrics

### 1G9 Pedilan Single Axis Foot, light

The lightweight geriatric foot with mono-axial joint for transfemoral amputees

### 1H... Single Axis Foot

The foot with mono-axial joint for transfemoral amputees

### 1S... SACH Foot

The jointless foot

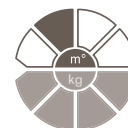
### 1D10/1D11 Dynamic Foot

The jointless foot with optimised rollover characteristics

### 1M10 Adjust

The multi-axial foot with adjustable heel characteristics

## Mobility grade 2



### 1S... SACH Foot

The jointless foot

### 1D10/1D11 Dynamic Foot

The jointless foot with optimised rollover characteristics

### 1M10 Adjust

The multi-axial foot with adjustable heel characteristics

### 1A30 Greissinger plus

The foot with multi-axial joint

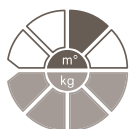
### 1D35 Dynamic Motion

The foot for all occasions

### 1C30 Trias

The lightweight carbon foot with comfortable rollover characteristics

## Mobility grade 3



### 1A30 Greissinger plus

The foot with multi-axial joint

### 1D35 Dynamic Motion

The foot for all occasions

### 1C30 Trias

The lightweight carbon foot with comfortable rollover characteristics

### 1C40 C-Walk

The comfortable carbon foot with optimised biomechanics

### 1E56 Axtion

The dynamic foot with low structural height

### 1C60 Triton

Proven triangular technology

### 1C61 Triton Vertical Shock

Enhanced shock absorption and torsion capability

### 1C62 Triton Harmony

The compact foot system with integrated vacuum pump

### 1C63 Triton Low Profile

Triangular technology for low structural heights

### 1C64 Triton Heavy Duty

Robust and water-resistant

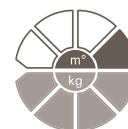
### 1E58 Axtion DP

The comfortable pylon foot for dynamic loads

### 1E50/51 Advantage DP2

The dynamic, low-weight pylon foot

## Mobility grade 4



### 1C40 C-Walk

The comfortable carbon foot with optimised biomechanics

### 1E56 Axtion

The dynamic foot with low structural height

### 1C60 Triton

Proven triangular technology

### 1C61 Triton Vertical Shock

Enhanced shock absorption and torsion capability

### 1C62 Triton Harmony

The compact foot system with integrated vacuum pump

### 1C63 Triton Low Profile

Triangular technology for low structural heights

### 1C64 Triton Heavy Duty

Robust and water-resistant

### 1E58 Axtion DP

The comfortable pylon foot for dynamic loads

### 1E50/51 Advantage DP2

The dynamic, low-weight pylon foot



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## Feet for special requirements

### Feet for a limited structural height



#### 1E80-1E82 Chopart

The footplate for partial foot amputations and Chopart/Pirogoff/Syme amputations



#### 1C20 ProSymes

The foot with integrated, adjustable socket adapter for Syme amputations and some Pirogoff amputations



#### 1E57 Lo Rider

The foot with modular connector for Syme amputations and in case of limited structural height

### Foot for unusual foot sizes and a rare patient weight



#### 1E61 Springlite II

### Sport Feet

#### 1E90 Sprinter

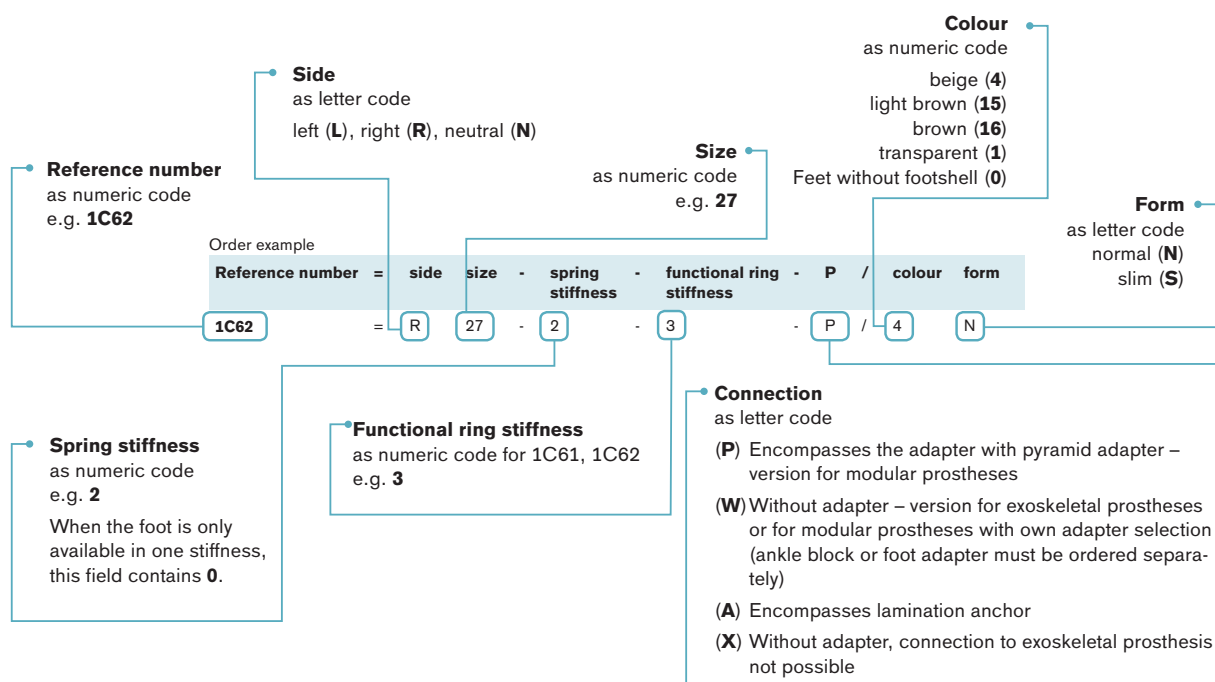
The sport foot for transfemoral and transtibial amputees

#### 1C2 C-Sprint

The sport foot for transtibial amputees

## Article number structure for Ottobock feet

Ottobock continuously works on developing new products and on improving existing ones to better suit your needs. For clear ordering of the different versions of prosthetic feet, the order number structure has been expanded. This new structure will apply to all new feet. In the case of prosthetic feet which are offered in different colours or versions, the additional codes specify these characteristics.





**i** 646S1=7.02 **📄** 647H448

## 1G6 Pedilan light foot with toes

The 1G6 Pedilan Light Foot was designed especially for patients who are less active. The special features of the foot include its low weight, safe heel strike and a smooth, natural shape that includes a separately sculpted, abducted big toe. It is appropriate for all amputation levels in the treatment of geriatric patients.

Order example

<b>Reference number</b>	<b>=</b>	<b>Side</b>	<b>Size</b>
<b>1G6</b>	<b>=</b>	<b>L</b>	<b>26</b>



<b>Reference number</b>	<b>1G6</b>				
<b>Mobility grade</b>	1				
<b>Heel height</b>	10 +/- 5 mm				
<b>Side</b>	links (L), rechts (R)				
<b>Size</b>	23 cm	24 cm	25 cm	26 cm	27 cm
<b>System height with 2R54/2R31</b>	58 mm	61 mm	64 mm	67 mm	70 mm
<b>Weight (without adapter)</b>	~ 250 g	~ 265 g	~ 285 g	~ 330 g	~ 350 g
<b>Colour</b>	beige				
<b>Max. body weight</b>	75 kg				

## Accessories



**📄** 647G5

### 2R54 / 2R31 Foot adapter with screw connection



<b>Article number</b>	<b>2R54=M8</b>	<b>2R31=M8</b>
<b>Material</b>	Aluminium	Titanium
<b>for</b>	1D11 and 1G6, size 22 – 25	
<b>Screw connection</b>	2D7=M8 Screw connection	
<b>Weight</b>	70 g	65 g
<b>Max. body weight</b>	100 kg	

• System height already taken into consideration with the foot.



### 2R14 Connection plate

glued to the cosmetic foam cover and snapped onto the adapter

<b>Article number</b>	<b>2R14</b>
<b>for</b>	2R54, 2R31

## Single components as replacement parts

### 2D7=M8 2D7 Screw connection

<b>Article number</b>	<b>2D7=M8</b>
<b>for</b>	2R54=M8, 2R31=M8
<b>Scope of delivery</b>	1 cap screw (titanium) 1 washer

### 1G9 Pedilan single axis foot, light

The light 1G9 Pedilan Single Axis Foot is an alternative to the 1G6 Light Cosmetic Foot. It is recommendable in cases when dampened plantar flexion is required, for example in combination with the 3R41 Modular Light Knee Joint. The foot is especially suitable for geriatric transfemoral fittings. For the lightweight cosmetic foam cover, the 2R63 Foam Connection Cap is included.

Order example

<b>Reference number</b>	<b>=</b>	<b>Side</b>	<b>Size</b>
<b>1G9</b>	<b>=</b>	<b>L</b>	<b>26</b>



<b>Reference number</b>	<b>1G9</b>				
<b>Mobility grade</b>	1				
<b>Heel height</b>	10 +/- 5 mm				
<b>Side</b>	links (L), rechts (R)				
<b>Size</b>	23 cm	24 cm	25 cm	26 cm	27 cm
<b>System height with 2R51</b>	63 mm	64 mm	65 mm	67 mm	69 mm
<b>Weight (without adapter)</b>	~ 270 g	~ 280 g	~ 295 g	~ 315 g	~ 325 g
<b>Colour</b>	beige				
<b>Max. body weight</b>	75 kg				



 647H45

## Accessories

### 2R51 Single axis foot adapter with screw connection

with rubber bumper and lower bearing shell

 647H12



<b>Article number</b>	<b>2R51=22-25</b>
<b>Material</b>	Aluminium
<b>Size</b>	22 - 25 cm
<b>Weight</b>	230 g
<b>Max. body weight</b>	100 kg

Dorsal Stop Set required (see below)

- System height already taken into consideration with the foot.
- Dorsal Stop Set required with 2R51

## Single components as replacement parts

### 2D5 Single component pack for single axis feet

<b>Article number</b>	<b>2D5</b>
<b>Consisting of</b>	1 lower bearing shell, 1 rubber bumper (hard), 1 rubber bumper (medium), 1 rubber bumper (soft), 1 shell, 1 washer

### 2R63 Foam connecting cap

<b>Reference number</b>	<b>2R63</b>
-------------------------	-------------



### 1H38 / 1H40 Single axis foot with toes

The Single Axis Feet 1H38 and 1H40 have different heel heights. Both feet have a natural shape, smooth surface and shaped toes. Single axis feet allow the patient to achieve a secure stance quickly. They are especially suitable for transfemoral fittings.

Order example

<b>Reference number</b>	<b>=</b>	<b>Side</b>	<b>Size</b>
<b>1H38</b>	<b>=</b>	<b>L</b>	<b>26</b>

For the 1H38 in size 21 cm, please use the available accessories for size 22 cm.

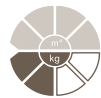
<b>Reference number</b>	<b>1H38</b>							
<b>Mobility grade</b>	1							
<b>Heel height</b>	10 +/- 5 mm							
<b>Side</b>	links (L), rechts (R)							
<b>Size</b>	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm
<b>System height with 2R33/2R10</b>	42 mm	44 mm	45 mm	45 mm	46 mm	47 mm	48 mm	49 mm
<b>System height with 2R51</b>	46 mm	48 mm	49 mm	49 mm	50 mm	51 mm	52 mm	53 mm
<b>Weight (without adapter)</b>	~ 255 g	~ 275 g	~ 305 g	~ 335 g	~ 360 g	~ 365 g	~ 420 g	~ 435 g
<b>Colour</b>	beige							
<b>Max. body weight</b>	100 kg							

<b>Reference number</b>	<b>1H40</b>							
<b>Mobility grade</b>	1							
<b>Heel height</b>	25 +/- 5 mm							
<b>Side</b>	links (L), rechts (R)							
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm
<b>System height with 2R33/2R10</b>	44 mm	45 mm	45 mm	46 mm	47 mm	48 mm	49 mm	53 mm
<b>System height with 2R51</b>	48 mm	49 mm	49 mm	50 mm	51 mm	52 mm	53 mm	57 mm
<b>Weight (without adapter)</b>	~ 295 g	~ 305 g	~ 320 g	~ 370 g	~ 400 g	~ 440 g	~ 470 g	~ 530 g
<b>Colour</b>	beige							
<b>Max. body weight</b>	100 kg							

## Accessories

### 2R33 / 2R51 / 2R10 Single axis foot adapter with screw connection

with rubber bumper and lower bearing shell



647H12

Article number	2R33= 22-25	2R33= 26-30	2R51= 22-25	2R51= 26-27	2R10= 22-25	2R10= 26-30
<b>Material</b>	Titanium		Aluminium		Steel	
<b>Size</b>	22 - 25 cm	26 - 30 cm	22 - 25 cm	26 - 27 cm	22 - 25 cm	26 - 30 cm
<b>Weight</b>	200 g	210 g	230 g	235 g	325 g	340 g
<b>Max. body weight</b>	100 kg					

- ▶ System height already taken into consideration with the foot.
- ▶ Dorsal Stop Set required with 2R51

### 2S88 Dorsal stop set

in combination with single axis foot adapter

Article number	2S88=22-23	2S88=24-25	2S88=26-27
<b>Material</b>	Pedilan		
<b>Size</b>	22 – 23 cm	24 – 25 cm	26 – 27 cm
<b>Scope of delivery</b>	2-piece, 1 soft and 1 hard stop each		



### 2R22 Connection cap

bonded to the foam cover then pressed onto the apron of the foot

Order example

Reference number	=	Size
<b>2R22</b>	=	23
Reference number	<b>2R22</b>	
<b>Size</b>	22 cm, 23 cm, 24 cm, 25 cm, 26 cm, 27 cm, 28 cm, 29 cm	



## Single components as replacement parts

### 2D5 Single component pack for single axis feet

Article number	2D5
<b>Consisting of</b>	1 lower bearing shell, 1 rubber bumper (hard), 1 rubber bumper (medium), 1 rubber bumper (soft), 1 shell, 1 washer

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## 1H32 / 1H34 Single axis foot without toes, two-parts

The 1H32 Single Axis Foot and 1H34 Single Axis Foot feature a two-part design, and have different heel heights and foot shapes. The 1H32 has a standard foot shape while the 1H34 is slimmer.

In combination with the single axis joint, single axis feet allow the amputee to achieve a secure stance quickly. They are especially suitable for transfemoral fittings.

Order example

Reference number	=	Side	Size
<b>1H32</b>	=	L	26



<b>Reference number</b>	<b>1H32</b>							
<b>Mobility grade</b>	1							
<b>Heel height</b>	25 +/- 5 mm							
<b>Side</b>	links (L), rechts (R)							
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm
<b>as</b>	Single component of the 1H31 Single Axis Foot							
<b>System height with 2R33/2R10</b>	44 mm	45 mm		46 mm	47 mm	48 mm	49 mm	53 mm
<b>System height with 2R51</b>	48 mm	49 mm		50 mm	51 mm	52 mm	53 mm	57 mm
<b>Weight (without adapter)</b>	~ 255 g		~ 325 g	~ 360 g	~ 400 g	~ 410 g	~ 440 g	~ 470 g
<b>Colour</b>	beige/white							
<b>Max. body weight</b>	100 kg							

<b>Reference number</b>	<b>1H34</b>					
<b>Mobility grade</b>	1					
<b>Heel height</b>	35 +/-5 mm					
<b>Side</b>	links (L), rechts (R)					
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm
<b>as</b>	Single component of the 1H31 Single Axis Foot					
<b>System height with 2R33/2R10</b>	44 mm	45 mm		46 mm	47 mm	48 mm
<b>System height with 2R51</b>	48 mm	49 mm		50 mm	51 mm	52 mm
<b>Weight (without adapter)</b>	~ 300 g	~ 315 g	~ 335 g	~ 355 g	~ 380 g	~ 420 g
<b>Colour</b>	beige/white					
<b>Max. body weight</b>	100 kg					

## Single components as replacement parts

### 2Z67 / 2Z64 Pedilan sole

Sole contour flat convex

Order example

Reference number	=	Side	Size
2Z67	=	L	23

<b>Reference number</b>	<b>2Z67</b>
<b>Side</b>	links (L), rechts (R)
<b>Size</b>	23 cm, 24 cm, 25 cm, 26 cm, 27 cm, 28 cm, 29 cm
<b>for</b>	1H32 Single Axis Foot

<b>Reference number</b>	<b>2Z64</b>
<b>Side</b>	links (L), rechts (R)
<b>Size</b>	23 cm, 24 cm, 25 cm, 26 cm, 27 cm, 28 cm, 29 cm
<b>for</b>	1H34 Single Axis Foot

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647H12

### 2R33 / 2R51 / 2R10 Single axis foot adapter with screw connection

with rubber bumper and lower bearing shell



Article number	2R33= 22-25	2R33= 26-30	2R51= 22-25	2R51= 26-27	2R10= 22-25	2R10= 26-30
Material	Titanium		Aluminium		Steel	
Size	22 - 25 cm	26 - 30 cm	22 - 25 cm	26 - 27 cm	22 - 25 cm	26 - 30 cm
Weight	200 g	210 g	230 g	235 g	325 g	340 g
Max. body weight	100 kg					

- System height already taken into consideration with the foot.
- Dorsal Stop Set required with 2R51



### 2S88 Dorsal stop set

in combination with single axis foot adapter

Article number	2S88=22-23	2S88=24-25	2S88=26-27
Material	Pedilan		
Size	22 - 23 cm	24 - 25 cm	26 - 27 cm
Scope of delivery	2-piece, 1 soft and 1 hard stop each		



### 2R22 Connection cap

bonded to the foam cover then pressed onto the apron of the foot

Order example

Reference number = Size

2R22 = 23

Reference number	2R22
Size	22 cm, 23 cm, 24 cm, 25 cm, 26 cm, 27 cm, 28 cm, 29 cm

## Single components as replacement parts

### 2D5 Single component pack for single axis feet

Article number	2D5
Consisting of	1 lower bearing shell, 1 rubber bumper (hard), 1 rubber bumper (medium), 1 rubber bumper (soft), 1 shell, 1 washer





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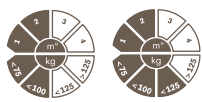
## 1S90 SACH foot with toes and sandal toe

The 1S90 SACH Foot features a natural shape with smooth surface, shaped toes and sandal toe. The functional properties are achieved through the proven combination of a contoured core and functional foam. The foot is designed for use in modular and exoskeletal prostheses.

Order example

**Reference number = Side Size - 0 - W - / Colour**

**1S90 = L 26 - 0 - W - / 4**



22 - 25 cm

26 - 28 cm

Reference number	1S90						
<b>Mobility grade</b>	1 + 2						
<b>Heel height</b>	10 +/-5 mm						
<b>Side</b>	links (L), rechts (R)						
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm
<b>System height with 2R54/2R31/2R8</b>	55 mm	58 mm	61 mm	64 mm	67 mm	70 mm	72 mm
<b>Weight (without adapter)</b>	~ 300 g	~ 330 g	~ 380 g	~ 420 g	~ 460 g	~ 545 g	~ 635 g
<b>Colour</b>	beige (4), brown (16)						
<b>Max. body weight</b>	100 kg					125 kg	

## 1S49 / 1S66 / 1S67 SACH foot with toes

The 1S49, 1S66 and 1S67 SACH feet have different heel heights and foot shapes. The 1S49 and 1S66 have a standard foot shape while the 1S67 is slimmer. All feet have a natural shape, smooth surface and formed toes.

The functional properties are achieved through the proven combination of a contoured core and functional foam. The SACH feet are constructed for use in modular prostheses and exoskeletal prostheses.

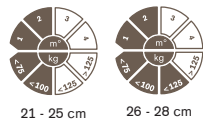
Order example

**Reference number = Side Size**

**1S49 = L 26**

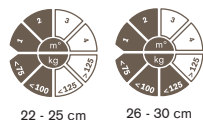


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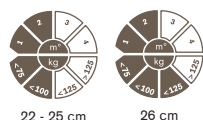
21 - 25 cm      26 - 28 cm

<b>Reference number</b>	<b>1S49</b>							
<b>Mobility grade</b>	1 + 2							
<b>Heel height</b>	10 +/- 5 mm							
<b>Side</b>	links (L), rechts (R)							
<b>Size</b>	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm
<b>System height with 2R54/2R31/2R8</b>	52 mm	55 mm	58 mm	61 mm	64 mm	67 mm	70 mm	72 mm
<b>Weight (without adapter)</b>	~ 265 g	~ 290 g	~ 330 g	~ 365 g	~ 390 g	~ 475 g	~ 535 g	~ 575 g
<b>Colour</b>	beige							
<b>Max. body weight</b>	100 kg				125 kg			



22 - 25 cm      26 - 30 cm

<b>Reference number</b>	<b>1S66</b>								
<b>Mobility grade</b>	1 + 2								
<b>Heel height</b>	18 +/- 5 mm								
<b>Side</b>	links (L), rechts (R)								
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
<b>System height with 2R54/2R31/2R8</b>	55 mm	58 mm	61 mm	64 mm	67 mm	70 mm	72 mm	74 mm	76 mm
<b>Weight (without adapter)</b>	~ 325 g		~ 360 g	~ 395 g	~ 485 g	~ 555 g	~ 565 g	~ 625 g	
<b>Colour</b>	beige								
<b>Max. body weight</b>	100 kg				125 kg				



22 - 25 cm      26 cm

<b>Reference number</b>	<b>1S67</b>				
<b>Mobility grade</b>	1 + 2				
<b>Heel height</b>	35 +/- 5 mm				
<b>Side</b>	links (L), rechts (R)				
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm
<b>System height with 2R54/2R31/2R8</b>	55 mm	58 mm	61 mm	64 mm	67 mm
<b>Weight (without adapter)</b>	~ 330 g	~ 365 g	~ 400 g	~ 440 g	~ 530 g
<b>Colour</b>	beige				
<b>Max. body weight</b>	100 kg				125 kg

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### 2R54 / 2R31 / 2R8 Foot adapter with screw connection



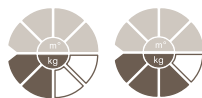
647G5



Article number	2R54=M8	2R31=M8	2R8=M8
Material	Aluminium	Titanium	Steel
Screw connection	2D7=M8		2D6=M8
Weight	70 g	65 g	115 g
Max. body weight	100 kg		

System height already taken into consideration with the foot.

647G5



Article number	2R54=M10	2R31=M10	2R8=M10
Material	Aluminium	Titanium	Steel
for	1S49, 1S66, 1S90 (all sizes) and 1S67, size 26		
Screw connection	2D7=M10		2D6=M10
Weight	80 g	70 g	125 g
Max. body weight	100 kg	125 kg	

System height already taken into consideration with the foot.



### 2R14 Connection plate

glued to the cosmetic foam cover and snapped onto the adapter

Article number	2R14
for	2R54, 2R31, 2R8

## Single components as replacement parts

Article number	2D7=M8	2D7=M10	2D6=M8	2D6=M10
for	2R54=M8, 2R31=M8		2R8=M8	2R8=M10
Scope of delivery	1 cap screw (titanium) 1 washer		1 cap screw (steel) 1 washer	

## 1S101 / 1S102 / 1S103 SACH<sup>+</sup> foot

The 1S101, 1S102 and 1S103 SACH<sup>+</sup> (Solid Ankle Cushion Heel) prosthetic feet have different heel heights and foot shapes. They feature a natural shape with a smooth surface, shaped toes and a sandal toe.

The functional properties are achieved through the combination of a fibreglass-reinforced plastic core and functional foam. The feet are designed for use in modular prostheses and exoskeletal properties.

Order example

**Reference number = Side Size - 0 - W / 4**

**1S101 = L 22 - 0 - W / 4**



646D627=DE

646G762



Max. 80 kg  
(176 lbs)  
21-23 cm

Max. 100 kg  
(220 lbs)  
24-25 cm

Max. 125 kg  
(275 lbs)  
26-30 cm

<b>Reference number</b>	<b>1S101</b>									
<b>Mobility grade</b>	1 + 2									
<b>Heel height</b>	10 +/-5 mm									
<b>Side</b>	links (L), rechts (R)									
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm	
<b>System height</b>	55 mm	58 mm	61 mm	64 mm	67 mm	70 mm	72 mm	74 mm	76 mm	
<b>Weight (without adapter)</b>	~ 385 g	~ 415 g	~ 475 g	~ 515 g	~ 590 g	~ 625 g	~ 680 g	~ 745 g	~ 805 g	
<b>Colour</b>	light brown (15), beige (4)									
<b>Shape</b>	normal									
<b>Max. body weight</b>	80 kg			100 kg			125 kg			
<b>Reference number</b>	<b>1S102</b>									
<b>Mobility grade</b>	1 + 2									
<b>Heel height</b>	10 +/-5 mm									
<b>Side</b>	links (L), rechts (R)									
<b>Size</b>	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	
<b>System height</b>	52 mm	55 mm	58 mm	61 mm	64 mm	67 mm	70 mm	72 mm	74 mm	
<b>Weight (without adapter)</b>	~ 315 g	~ 355 g	~ 395 g	~ 445 g	~ 490 g	~ 560 g	~ 615 g	~ 670 g	~ 725 g	
<b>Colour</b>	beige (4)									
<b>Shape</b>	narrow									
<b>Max. body weight</b>	80 kg			100 kg			125 kg			
<b>Reference number</b>	<b>1S103</b>									
<b>Mobility grade</b>	1 + 2									
<b>Heel height</b>	20 +/-5 mm									
<b>Side</b>	links (L), rechts (R)									
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm		
<b>System height</b>	55 mm	58 mm	61 mm	64 mm	67 mm	70 mm	72 mm	74 mm		
<b>Weight (without adapter)</b>	~ 360 g	~ 400 g	~ 455 g	~ 500 g	~ 570 g	~ 625 g	~ 680 g	~ 735 g		
<b>Colour</b>	beige (4)									
<b>Shape</b>	narrow									
<b>Max. body weight</b>	80 kg			100 kg			125 kg			

System height respectively with 2R54/2R31/2R8  
Weight respectively without adapter

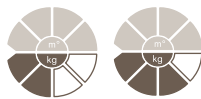
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647G5

### 2R54 / 2R31 / 2R8 Foot adapter with screw connection



Article number	2R54=M10	2R31=M10	2R8=M10
<b>Material</b>	Aluminium	Titanium	Steel
<b>for</b>	1S101, 1S102, 1S103 (all sizes)		1S101, 1S102, 1S103 (size 21-27 up to 125 kg (275 lbs), size 28-30 up to 100 kg (220 lbs))
<b>Screw connection</b>	2D7=M10		2D6=M10
<b>Weight</b>	80 g	70 g	125 g
<b>Max. body weight</b>	100 kg	125 kg	

System height already taken into consideration with the foot.



### 2R14 Connection plate

glued to the cosmetic foam cover and snapped onto the adapter

Article number	2R14
<b>for</b>	2R54, 2R31, 2R8

## Single components as replacement parts

Article number	2D7=M10	2D6=M10
<b>for</b>	2R54=M10, 2R31=M10	2R8=M10
<b>Scope of delivery</b>	1 cap screw (titanium) 1 washer	1 cap screw (steel) 1 washer

## 1D10 Dynamic foot with adapter

The 1D10 Dynamic Foot features natural shape with smooth surface, shaped toes and sandal toe. The functional characteristics are achieved through the proven combination of a contoured core and functional foam. This results in a comfortable heel strike and a smoother rollover than with the SACH foot. The sophisticated foam technology offers improved dynamic characteristics of the forefoot. The 1D10 is delivered with an assembled titanium modular adapter.

Order example

**Reference number = Side Size - 0 - P - / Colour**  
**1D10 = L 26 - 0 - P - / 15**



647G354



≤ 150 kg

<b>Reference number</b>	<b>1D10</b>									
<b>Mobility grade</b>	1 + 2									
<b>Heel height</b>	10 +/- 5 mm									
<b>Side</b>	links (L), rechts (R)									
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm	
<b>System height</b>	55 mm	58 mm	61 mm	64 mm	67 mm	70 mm	72 mm	74 mm	76 mm	
<b>Weight</b>	~ 385 g	~ 415 g	~ 445 g	~ 485 g	~ 565 g	~ 600 g	~ 660 g	~ 700 g	~ 780 g	
<b>Colour</b>	beige (4), light brown (15)									
<b>Max. body weight</b>	150 kg									

## 1D10 Dynamic foot (without adapter)

The 1D10 Dynamic Foot without adapter is identical to the version with adapter from a functional and cosmetic perspective; the only difference is the maximum allowable patient weight. It is designed for the use in modular and exoskeletal prostheses.

Order example

**Reference number = Side Size - 0 - W - / Colour**  
**1D10 = L 26 - 0 - W - / 15**



647G356



<b>Reference number</b>	<b>1D10</b>									
<b>Mobility grade</b>	1 + 2									
<b>Heel height</b>	10 +/- 5 mm									
<b>Side</b>	links (L), rechts (R)									
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm	
<b>System height with 2R54/2R31/2R8</b>	55 mm	58 mm	61 mm	64 mm	67 mm	70 mm	72 mm	74 mm	76 mm	
<b>Weight (without adapter)</b>	~ 290 g	~ 320 g	~ 350 g	~ 390 g	~ 470 g	~ 505 g	~ 565 g	~ 605 g	~ 685 g	
<b>Colour</b>	beige (4), light brown (15)									
<b>Max. body weight</b>	125 kg									

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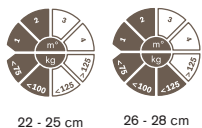


## 1D11 Dynamic foot

The 1D11 Dynamic Foot has a narrow shape and is particularly suitable for women's or narrow men's shoes. It is designed for the use in modular and exoskeletal prostheses.

Order example

**Reference number = Side Size**  
**1D11 = L 26**



22 - 25 cm      26 - 28 cm

<b>Reference number</b>	<b>1D11</b>						
<b>Mobility grade</b>	1 + 2						
<b>Heel height</b>	20 +/- 5 mm						
<b>Side</b>	links (L), rechts (R)						
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm
<b>System height with 2R54/2R31/2R8</b>	55 mm	58 mm	61 mm	64 mm	67 mm	70 mm	72 mm
<b>Weight (without adapter)</b>	~ 285 g	~ 290 g	~ 345 g	~ 375 g	~ 435 g	~ 495 g	~ 540 g
<b>Colour</b>	beige						
<b>Max. body weight</b>	100 kg					125 kg	

## Accessories



647G5

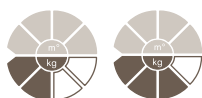
2R54 / 2R31 / 2R8 Foot adapter with screw connection SACH  
foot adapter with screw connection



<b>Article number</b>	<b>2R54=M8</b>	<b>2R31=M8</b>	<b>2R8=M8</b>
<b>Material</b>	Aluminium	Titanium	Steel
<b>for</b>	1D11 and 1G6, size 22 – 25		1D11, size 22 – 25
<b>Screw connection</b>	2D7=M8		2D6=M8
<b>Weight</b>	70 g	65 g	115 g
<b>Max. body weight</b>	100 kg		

• System height already taken into consideration with the foot.





Article number	2R54=M10	2R31=M10	2R8=M10
<b>Material</b>	Aluminium	Titanium	Steel
<b>for</b>	1D10 (all sizes) and 1D11, size 26 - 28		
<b>Screw connection</b>	2D7=M10		2D6=M10
<b>Weight</b>	80 g	70 g	125 g
<b>Max. body weight</b>	100 kg	125 kg	

► System height already taken into consideration with the foot.



## Single components as replacement parts

### 2D7 / 2D6 Screw connection

Article number	2D7=M8	2D7=M10	2D6=M8	2D6=M10
<b>for</b>	2R54=M8, 2R31=M8	2R54=M10, 2R31=M10	2R40=1, 2R8=M8	2R8=M10
<b>Scope of delivery</b>	1 cap screw (titanium) 1 washer		1 cap screw (steel) 1 washer	



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## 1M10 Adjust





The 1M10 Adjust is a multiaxial foot with adjustable heel characteristic. While walking, the Adjust offers the user a pleasant heel strike, good dampening characteristics and easy rollover. Thanks to this design, the user is able to maintain a stable standing position – regardless of the proportion of the body weight supported by the prosthesis.

Its multiaxial joint and the flexibility of the function module and forefoot-ball pad, the Adjust effectively compensates for uneven surfaces.

The adjustable function module of the Adjust allows individual heel characteristic requirements to be taken into account when optimizing the prosthesis.

The 1M10 Adjust for people who spend most of their time indoors and only venture outside occasionally.

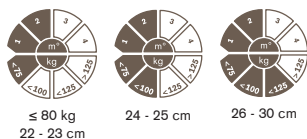
The scope of delivery includes the footshell with connection cap and a Spectra-Sock protective sock.

-  664D420      647G439
-  646C54      646DV54



reddot design award  
honourable mention 2010

2010 ■



Order example

Reference number	=	side	size	-	stiffness	-	P	/	colour	shape
<b>1M10</b>	=	L	27	-	2	-	P	/	4	N

► Please order directly through customer service. Order fax no. in appendix.

<b>Reference number</b>	<b>1M10</b>								
<b>Mobility grade</b>	1 + 2								
<b>Side</b>	links (L), rechts (R)								
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
<b>Weight (without footshell)</b>	~ 255 g		~ 320 g		~ 385 g		~ 465 g		
<b>Stiffness</b>	1, 2, 3								
<b>Max. body weight</b>	80 kg		100 kg		125 kg				
<b>Heel height</b>	<b>10 +/- 5 mm</b>								
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
<b>System height</b>	46 mm	48 mm	53 mm		57 mm	59 mm	64 mm		
<b>Colour</b>	beige (4), light brown (15)								
<b>Shape</b>	normal (N)								
<b>Heel height</b>	<b>20 +/- 5 mm</b>								
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm				
<b>System height</b>	38 mm		44 mm		49 mm				
<b>Colour</b>	beige (4), light brown (15)								
<b>Shape</b>	narrow (S)								
<b>Stiffness Chart</b>									
	Sizes								
	22 – 23 cm	24 – 25 cm	26 – 27 cm	28 – 30 cm					
<b>Stiffness</b>									
1	up to 52 kg (114 lbs)	up to 58 kg (128 lbs)	up to 72 kg (158 lbs)	up to 77 kg (169 lbs)					
2	53 – 68 kg (117 – 160 lbs)	59 – 76 kg (130 – 167 lbs)	73 – 95 kg (161 – 209 lbs)	78 – 100 kg (172 – 220 lbs)					
3	69 – 80 kg (152 – 176 lbs)	77 – 100 kg (169 – 220 lbs)	96 – 125 kg (211 – 275 lbs)	101 – 125 kg (222 – 275 lbs)					

## Single components

### 2C1 Footshell

with connection cap in normal or slim form

Order example

Reference number	=	Side	Size	/	Colour	Form
<b>2C1</b>	=	L	22	/	4	N

Reference number	2C1									
Heel height	10 +/- 5 mm									
Side	links (L), rechts (R)									
Size	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm	
Weight	~ 150 g	~ 165 g		~ 185 g	~ 195 g	~ 230 g	~ 240 g	~ 260 g	~ 275 g	
Colour	beige (4), light brown (15)									
Shape	normal (N)									

Reference number	2C1				
Heel height	20 +/- 5 mm				
Side	links (L), rechts (R)				
Size	22 cm	23 cm	24 cm	25 cm	26 cm
Weight	~ 120 g	~ 130 g	~ 135 g	~ 150 g	~ 165 g
Colour	beige (4), light brown (15)				
Shape	narrow (S)				



### 2C19 / 2C20 Connection cap

Order example

Reference number	=	Side	Size range	/	Colour
<b>2C19</b>	=	L	23-25	/	4

Reference number	2C19			
Side	links (L), rechts (R)			
Size	22 cm	23-25 cm	26-28 cm	29-30 cm
for	for 2C1=*N Footshell			
Colour	beige (4), light brown (15)			

Order example

Reference number	=	Side	Size	/	Colour
<b>2C20</b>	=	L	23	/	4

Reference number	2C20					
Side	links (L), rechts (R)					
Size	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm
for	for 2C1=*S Footshell					
Colour	beige (4), light brown (15)					



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## 2D11 Single component pack

<b>Article number</b>	<b>2D11</b>
<b>for</b>	1M10 Adjust
<b>Scope of delivery</b>	1 insert for the sizes 22 – 23 cm 1 insert for the sizes 24 – 25 cm 1 insert for the sizes 26 – 27 cm 1 insert for the sizes 28 – 30 cm

## 1A30 Greissinger plus

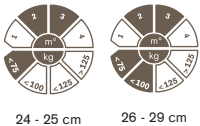
The Greissinger plus compensates for uneven surfaces via its multiaxial function. All-round mobility is achieved by the rollover of the titanium adapter on the ring-shaped elastomer which is adapted for stress in the a/p and m/l directions, combined with the fork in a flexible suspension. The elastomer in 3 different stiffness levels is included.

A foam connecting cap used as a connection to the cosmetic shell is included in the scope of delivery.

Order example

**Reference number = Side Size**

**1A30 = L 26**



24 - 25 cm      26 - 29 cm



646S1=12.03D

647H166

<b>Reference number</b>	<b>1A30</b>					
<b>Mobility grade</b>	2 + 3					
<b>Heel height</b>	10 +/- 5 mm					
<b>Side</b>	links (L), rechts (R)					
<b>Size</b>	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm
<b>System height</b>	67 mm	68 mm	69 mm	70 mm	71 mm	72 mm
<b>Weight</b>	~620 g	~670 g	~705 g	~760 g	~810 g	~820 g
<b>Colour</b>	beige					
<b>Max. body weight</b>	75 kg		100 kg			

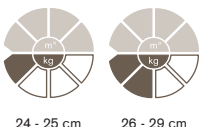
## Single components as replacement parts

### 1A31 Greissinger plus shaped foot part without adapter

Order example

**Reference number = Side Size**

**1A31 = L 26**



24 - 25 cm      26 - 29 cm



<b>Reference number</b>	<b>1A31</b>					
<b>Side</b>	links (L), rechts (R)					
<b>Size</b>	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm
<b>Max. body weight</b>	75 kg		100 kg			

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## 2R86 Foam connection cap

bonded to the foam cover and pressed onto the edge of the formed foot component.  
Can be used on left/right.

Order example

**Reference number = size**

**2R86 = 24**

<b>Reference number</b>	<b>2R86</b>
<b>Size</b>	24 cm, 25 cm, 26 cm, 27 cm, 28 cm, 29 cm

## Single component pack

<b>Article number</b>	<b>2D3</b>	<b>2D4</b>
<b>Size</b>	24 – 25 cm	26 – 29 cm
<b>Scope of delivery</b>	1 of each rocking rubber soft, medium, hard 1 elastic upper joint section 1 two hole washer 2 attachment bolts 1 washer 1 lock nut	

## 1D35 Dynamic motion

From a comfortable heel strike with noticeable plantar flexion through the progressive ankle moment up to the optimised a-p and m-l movement: the natural gait is the model for the 1D35 Dynamic Motion.

Thanks to the outstanding characteristics of the plastic spring in combination with the functional foam and the integrated 3D spacer fabric, the Dynamic Motion has a high energy return and allows for a dynamic transition from the stance to the swing phase. The contralateral side is effectively relieved. The result is a harmonious and physiological rollover.

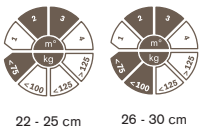
Order example

**Reference number = Side Size - 0 - P - / Colour**  
**1D35 = L 26 - 0 - P / 4**



646S1=5.04D

647G127



<b>Reference number</b>	<b>1D35</b>									
<b>Mobility grade</b>	2 + 3									
<b>Heel height</b>	10 +/-5 mm									
<b>Side</b>	links (L), rechts (R)									
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm	
<b>System height</b>	57 mm	60 mm	63 mm	66 mm	68 mm	72 mm	74 mm	75 mm	77 mm	
<b>Weight</b>	~ 340 g	~ 435 g	~ 510 g	~ 545 g	~ 630 g	~ 645 g	~ 670 g	~ 730 g	~ 755 g	
<b>Colour</b>	beige (4), light brown (15)									
<b>Max. body weight</b>	75 kg					100 kg				

## Single components for 1D35 as spare parts

### 2C10 Connection cap

bonded to the foam cover and then pressed onto the edge of the formed foot component.

Order example

**Reference number = Side Size range / Colour**  
**2C10 = L 21-22 / 4**



<b>Reference number</b>	<b>2C10</b>
<b>Side</b>	links (L), rechts (R)
<b>Size</b>	21 – 22 cm
<b>for</b>	1D35
<b>Colour</b>	beige (4), light brown (15)

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## 2C11 Connection cap

bonded to the foam cover and then pressed onto the edge of the formed foot component.

Order example

Reference number	=	Side	Size range	/	Colour
2C11	=	L	23-25	/	4

Reference number	2C11
Side	links (L), rechts (R)
Size	23 – 25 cm, 26 – 28 cm, 29 – 30 cm
for	1D35
Colour	beige (4), light brown (15)



## 1C30 Trias

The 1C30 Trias is an extraordinary solution for a prosthetic foot – a combination of creative design and innovative lightweight construction technology. Interconnected dual spring elements provide relief with dampening at heel strike and enable a physiological rollover with excellent energy return. Secure, controlled movements help the user build self-confidence. The foot adapts to different walking speeds and to uneven terrain without a loss of comfort, while simultaneously reducing strain on the sound limb.

The scope of delivery for the Trias includes the footshell with connection cap and a Spectra sock.

- ▶ Please order directly through customer service:  
Ordering information and measurement forms in the appendix



**i** 646D234=EN  
646D744=EN  
646D743=EN

**📄** 647G279

Order example

Reference number	=	Side	Size	-	Stiffness	-	P	/	Colour	Shape
1C30	=	L	26	-	1	-	P	/	4	S
Reference number	=	Side	Size	-	Stiffness	-	P	/	Colour	Shape
1C30	=	L	26	-	1	-	P	/	4	



Max. 80 kg  
21 - 22 cm  
Max. 95 kg  
23 - 24 cm

Max. 110 kg  
25 - 26 cm

Max. 125 kg  
27 - 30 cm

<b>Reference number</b>	<b>1C30</b>									
<b>Mobility grade</b>	2 + 3									
<b>Side</b>	links (L), rechts (R)									
<b>Size</b>	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
<b>Weight (without footshell)</b>	~ 235 g		~ 268 g		~ 346 g		~ 396 g		~ 435 g	
<b>Stiffness</b>	1, 2, 3, 4									
<b>Max. body weight</b>	80 kg		95 kg		110 kg		125 kg			
<b>Heel height</b>	<b>20 +/- 5 mm</b>									
<b>Size</b>	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
<b>System height</b>	82 mm		85 mm		93 mm					
<b>Colour</b>	beige (4), light brown (15)									
<b>Shape</b>	narrow (S)									
<b>Heel height</b>	<b>10 +/- 5 mm</b>									
<b>Size</b>	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
<b>System height</b>	86 mm		88 mm		95 mm		104 mm		106 mm 108 mm	
<b>Colour</b>	beige (4), light brown (15)									
<b>Shape</b>	normal (-)									

**Stiffness chart**

Body weight	Sizes									
	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
45 – 60 kg	1	1	1	1	–	–	–	–	–	–
61 – 80 kg	2	2	2	2	1	1	1	1	–	–
81 – 95 kg	–	–	3	3	2	2	2	2	1	1
96 – 110 kg	–	–	–	–	3	3	3	3	2	2
111 – 125 kg	–	–	–	–	–	–	4	4	3	3

● normal and slim footshell available    ● normal footshell available

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## 2C3 Footshell

with connection cap

Order example

Reference number	=	Side	Size	/	Colour	Shape
<b>2C3</b>	=	L	21	/	4	S

Reference number	=	Side	Size	/	Colour
<b>2C3</b>	=	L	21	/	4



 647G333

Reference number	<b>2C3</b>					
Heel height	20 +/- 5 mm					
Side	links (L), rechts (R)					
Size	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm
Weight	~ 110 g	~ 120 g	~ 130 g	~ 135 g	~ 150 g	~ 165 g
Colour	beige (4), light brown (15)					
Shape	narrow (S)					

Reference number	<b>2C3</b>									
Heel height	10 +/- 5 mm									
Side	links (L), rechts (R)									
Size	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
Weight	~ 130 g	~ 145 g	~ 155 g	~ 175 g	~ 185 g	~ 205 g	~ 210 g	~ 240 g	~ 245 g	~ 260 g
Colour	beige (4), light brown (15)									
Shape	normal (-)									

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## Single components as replacement parts



### 2C10 Connection cap

bonded to the foam cover and then pressed onto the edge of the formed foot component.

Order example

Reference number	=	Side	Size range	/	Colour
<b>2C10</b>	=	L	21-22	/	4

Reference number	2C10			
<b>Side</b>	links (L), rechts (R)			
<b>Size</b>	21 – 22 cm	23 – 25 cm	26 – 28 cm	29 – 31 cm
<b>for</b>	normal footshell 2C3			
<b>Colour</b>	beige (4), light brown (15)			



### 2C20 Connection cap

Order example

Reference number	=	Side	Size	/	Colour
<b>2C20</b>	=	L	23	/	4

Reference number	2C20						
<b>Side</b>	links (L), rechts (R)						
<b>Size</b>	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm
<b>for</b>	narrow footshell 2C3						
<b>Colour</b>	beige (4), light brown (15)						

## 1C40 C-Walk

The functional properties of the 1C40 C-Walk prosthetic foot are determined by spring elements made of carbon (CFRP) and the control ring. The ingenious interplay of the individual components leads to a harmonious and efficient movement pattern. The prosthesis wearer can feel the positive play of movement that begins with the cushioned heel strike and ends with the dynamic initiation of the swing phase, including the multiaxial flexibility and compensation for uneven walking surfaces.

Thanks to the progressive spring characteristics, the effect of the C-Walk changes only slightly under different loads. This makes the selection easier for the prosthetist and makes activities – from walking slowly to participating in sports – possible without a noticeable loss of comfort.

The scope of delivery for the C-Walk includes the footshell with connection cap.



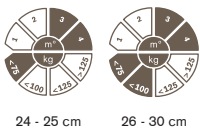
646A154=GB

647H201

Order example

**Reference number = Side Size - 0 - P - / Colour**

**1C40 = L 26 - 0 - P / 4**



24 - 25 cm 26 - 30 cm

<b>Reference number</b>	<b>1C40</b>						
<b>Mobility grade</b>	3 + 4						
<b>Heel height</b>	10 +/- 5 mm						
<b>Side</b>	links (L), rechts (R)						
<b>Size</b>	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
<b>System height</b>	71 mm		81 mm			87 mm	
<b>Weight (without footshell)</b>	~ 405 g	~ 420 g	~ 480 g	~ 490 g	~ 505 g	~ 605 g	~ 630 g
<b>Colour</b>	beige (4), light brown (15)						
<b>Max. body weight</b>	75 kg		100 kg				

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## Single components as replacement parts



### 2C4 Footshell

with connection cap

Order example

Reference number	=	Side	Size	/	Colour
<b>2C4</b>	=	L	26	/	4

Reference number	2C4						
<b>Side</b>	links (L), rechts (R)						
<b>Size</b>	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
<b>Weight</b>	~ 185 g	~ 200 g	~ 215 g	~ 225 g	~ 250 g	~ 265 g	~ 290 g
<b>Colour</b>	beige (4), light brown (15)						



### 2C11 Connection cap

Order example

Reference number	=	Side	Size range	/	Colour
<b>2C11</b>	=	L	23-25	/	4

Reference number	2C11	
<b>Side</b>	links (L), rechts (R)	
<b>Size</b>	23 – 25 cm, 26 – 28 cm, 29 – 30 cm	
<b>for</b>	for 2C4 Footshell	
<b>Colour</b>	beige (4), light brown (15)	

## 1E56 Axtion

The 1E56 Axtion is a compact and lightweight high-performance foot for active amputees. Its low clearance makes it particularly well suited for patients where only limited space is available. As an all-round talent, the 1E56 Axtion is ideal for everyday use as well as for recreational sports.

A unique combination of flexible carbon springs and elastic polyurethane results in the optimum performance of the Axtion during all gait phases:

The dynamic heel element effectively absorbs the impact load at heel strike. Heel stiffness and the resulting knee dynamics can be adapted to the individual requirements of the patient by using different heel wedges, which are included in the scope of delivery.

During rollover, the especially long supporting foot length offers exactly the right amount of support required for a natural gait pattern. The polyurethane layer compensates for small surface irregularities.

Excellent forefoot dynamics support the transition to the swing phase by returning the stored energy. The Axtion thus supports a controlled toe-off, even at high walking speeds.

The scope of delivery for the 1E56 Axtion includes a Spectra-Sock as well as one transparent heel wedge (soft) and one anthracite heel wedge (firm). The 2C5 Footshell for the Axtion must be ordered separately. It is available in the colours beige (4) and light brown (15).



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 647G493



reddot design award  
winner 2005

Order example

Reference number	=	Side	Size	-	Stiffness	-	P	/	Colour
1E56	=	N	27	-	3	-	P	/	0

- ▶ Please order directly through customer service: ordering information and measurement forms in the appendix



<b>Reference number</b>	<b>1E56</b>									
<b>Mobility grade</b>	3 + 4									
<b>Heel height</b>	13 +/- 5 mm									
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm	31 cm
<b>System height</b>	34 mm	35 mm				36 mm				37 mm
<b>Weight (without footshell)</b>	~310 g	~315 g	~320 g	~325 g	~355 g	~360 g	~370 g	~380 g	~395 g	~410 g
<b>Stiffness</b>	1, 2, 3, 4, 5									
<b>Max. body weight</b>	125 kg									

### Stiffness Chart

Body Weight	Sizes									
	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm	31 cm
up to 50 kg (110 lbs)	1	1	1	1	1	1	1	1	1	1
51 – 65 kg (112 – 143 lbs)	2	2	2	2	2	2	2	2	2	2
66 – 85 kg (145 – 187 lbs)	3	3	3	3	3	3	3	3	3	3
86 – 100 kg (189 – 220 lbs)	4	4	4	4	4	4	4	4	4	4
101 – 125 kg (222 – 275 lbs)	5	5	5	5	5	5	5	5	5	5

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**Practical recommendation:**

The ankle moments of the Axtion cause heavy strain on the adjacent prosthetic components. Therefore, it is necessary to use adapters of the next higher weight class below the knee joint (e.g. for a patient with a body weight of 90 kg (198 lbs): use adapters rated up to 125 kg (275 lbs)). The prosthetic foot is designed for use with a footshell. Without a footshell, the individual foot is shorter than the size indicates.

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## Accessories



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### 2C5 Footshell

with connection cap

Order example

Reference number	=	Side	Size	/	Colour
<b>2C5</b>	=	L	25	/	4

Reference number	2C5									
<b>Side</b>	links (L), rechts (R)									
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm	31 cm
<b>Weight</b>	~150 g	~155 g	~195 g	~210 g	~225 g	~235 g	~265 g	~275 g	~310 g	~320 g
<b>Colour</b>	beige (4), light brown (15)									

## Single components as replacement parts



647G493

### 2F20 Heel wedge

as spare part or for retrofitting

Article number	2F20=22-25	2F20=26-31
<b>Size</b>	22 – 25 cm	26 – 31 cm
<b>for</b>	1E56 Axtion	



### SL=Spectra-Sock Protective sock

Article number	SL=Spectra-Sock
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## 2C10 Connection cap

Order example

**Reference number = Side Size range / Colour**

**2C10 = L 21-22 / 4**



<b>Reference number</b>	<b>2C10</b>
<b>Side</b>	links (L), rechts (R)
<b>Size</b>	21 – 22 cm, 23 – 25 cm, 26 – 28 cm, 29 – 31 cm
<b>for</b>	2C5 Footshell
<b>Colour</b>	beige (4), light brown (15)

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reddot design award winner 2011



 Max. 100 kg (220 lbs) 21 - 24 cm	 Max. 125 kg (275 lbs) 25 - 30 cm	 Max. 150 kg/330 lbs 25 - 30 cm
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## 1C60 Triton

The 1C60 Triton prosthetic foot offers excellent functionality even under the high load.

The forefoot and heel are made of a light, flexible carbon fibre composite and connected by a base spring made of high-performance polyester to form a cohesive system. This allows for an especially smooth rollover.

One of the benefits of the split forefoot area is that it easily adapts to various surfaces, helping to guarantee that the user's movements are controlled. This provides excellent traction when walking on uneven surfaces or when rapidly changing direction, such as during sports.

The 1C60 Triton is suited for patients who wish to have a dynamic carbon fibre prosthetic foot which would be suitable for everyday life and recreational sports.

The scope of delivery for the Triton includes the footshell with connection cap, a Spectra-Sock and a transparent (soft) as well as anthracite (firm) heel wedge.

- Please order directly through customer service: more information is found on the order fax in the appendix.

Order example

Reference number	=	Side	Size	-	Stiffness	-	P	/	Solour	Shape
1C60	=	L	25	-	1	-	P	/	4	S

Reference number	1C60									
<b>Mobility grade</b>	3 + 4									
<b>Side</b>	links (L), rechts (R)									
<b>Size</b>	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
<b>Weight (without footshell)</b>	~355 g		~410 g		~460 g		~505 g		~540 g	
<b>Stiffness</b>	1, 2, 3, 4, 5									
<b>Max. body weight</b>	100 kg				150 kg					
<b>Max. body weight MG 3</b>	100 kg				150 kg					
<b>Max. body weight MG 4</b>	100 kg				125 kg					
<b>Heel height</b>	15 +/- 5 mm									
<b>Size</b>	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm			
<b>Weight</b>	~135 g	~145 g	~155 g	~180 g	~190 g	~200 g	~215 g			
<b>System height</b>	116 mm	117 mm	118 mm	120 mm	124 mm	125 mm	136 mm			
<b>Colour</b>	beige (4), light brown (15)									
<b>Shape</b>	narrow (S)									
<b>Heel height</b>	10 +/- 5 mm									
<b>Size</b>	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm			
<b>Weight</b>	~190 g	~200 g	~220 g	~225 g	~245 g	~270 g	~300 g			
<b>System height</b>	126 mm	129 mm	131 mm	140 mm	141 mm	154 mm	156 mm			
<b>Colour</b>	beige (4), light brown (15)									
<b>Shape</b>	normal (N)									

### Stiffness Chart

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 (121 lbs)	1	1	1	1	1	1	-	-	-	-
56 – 75 kg (123 – 165 lbs)	2	2	2	2	2	2	2	2	2	2
76 – 100 kg (167 – 220 lbs)	3	3	3	3	3	3	3	3	3	3
101 – 125 kg (222 – 275 lbs)	-	-	-	-	4	4	4	4	4**	4**
126 – 150 kg (277 – 330 lbs)	-	-	-	-	5	5	5*	5*	5*	5*

Slim footshell available    
  Both footshells available    
  Normal footshell available

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

\*\* When combining this configuration with the C-Leg or the C-Leg compact, please contact the Ottobock Customer Service.

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## Accessories for the 1C60, 1C61, 1C62, 1C63 and 1C64 Triton



### 2C6 Footshell

with connection cap in normal or slim form

Order example

Reference number	=	Side	Size	/	Colour	Shape
2C6	=	L	27	/	4	N

Reference number	2C6						
Heel height	15 +/- 5 mm						
Side	links (L), rechts (R)						
Size	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm
Weight	~135 g	~145 g	~155 g	~180 g	~190 g	~200 g	~215 g
Colour	beige (4), light brown (15)						
Shape	narrow (S)						

Reference number	2C6						
Heel height	10 +/- 5 mm						
Side	links (L), rechts (R)						
Size	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
Weight	~190 g	~200 g	~220 g	~225 g	~245 g	~270 g	~300 g
Colour	beige (4), light brown (15)						
Shape	normal (N)						

## Single components for the 1C60, 1C61, 1C62, 1C63 and 1C64 Triton as replacement parts



### 2C19 / 2C20 Connection cap

Order example

Reference number	=	Side	Size range	/	Colour
2C19	=	L	23-25	/	4

Reference number	2C19	
Side	links (L), rechts (R)	
Size	23–25 cm, 26–28 cm, 29–30 cm	
for	2C6=*N Footshell	
Colour	beige (4), light brown (15)	



Order example

Reference number	=	Side	Size	/	Colour
2C20	=	L	23	/	4

<b>Reference number</b>	<b>2C20</b>
<b>Side</b>	links (L), rechts (R)
<b>Size</b>	21 cm, 22 cm, 23 cm, 24 cm, 25 cm, 26 cm, 27 cm
<b>for</b>	2C6=*S Footshell narrow footshell 2C3
<b>Colour</b>	beige (4), light brown (15)

## 2F60 Heel wedges for 1C60 Triton

as spare part or for retrofitting

Order example

Reference number	=	Size range
2F60	=	23-24

<b>Reference number</b>	<b>2F60</b>
<b>Size</b>	21-22 cm, 23-24 cm, 25-26 cm, 27-28 cm, 29-30 cm



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## 1C61 Triton vertical shock

The Triton Vertical Shock extends the excellent functionality of the 1C60 Triton carbon foot with enhanced shock absorption and torsion resistance.

Thanks to its innovative design, the Triton carbon foot supports a particularly broad range of applications from everyday use to recreational sports. The additional functionality of the 1C60 Triton Vertical Shock results in better adaptation to uneven surfaces for the user.

Vertical and torsional forces, which occur for example during sports, are effectively reduced. This results in noticeable relief for the user's residual limb.

Thanks to the compact design of the Triton Vertical Shock, the system is also suitable for patients with longer transtibial residual limbs.

The scope of delivery for the Triton Vertical Shock includes a Spectra-Sock, the footshell with connection cap, a transparent (soft) and anthracite (firm) heel wedge, a pre-assembled functional ring and a compression tool.

- Please order directly through customer service.  
For more information, please see the order fax in the appendix.

Order example

Reference number	=	Side	Size	-	Spring Stiffness	-	Functional ring Stiffness	-	P	/	Colour	Form
<b>1C61</b>	=	R	27	-	2	-	3	-	P	/	4	N



Max. 100 kg (220 lbs) 21 - 24 cm  
Max. 125 kg (275 lbs) 25 - 30 cm  
Max. 150 kg/330 lbs 25 - 30 cm

<b>Reference number</b>	<b>1C61</b>									
<b>Mobility grade</b>	3 + 4									
<b>Side</b>	links (L), rechts (R)									
<b>Size</b>	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
<b>Weight (without footshell)</b>	~655 g		~710 g		~760 g		~805 g		~840 g	
<b>Stiffness</b>	1, 2, 3, 4, 5									
<b>Functional ring stiffness</b>	0, 1, 2, 3, 4, 5, 6, 7, 8, 9									
<b>Max. body weight MG 3</b>	100 kg				150 kg					
<b>Max. body weight MG 4</b>	100 kg				125 kg					
<b>Heel height</b>	<b>15 +/- 5 mm</b>									
<b>Size</b>	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm			
<b>Weight</b>	~135 g	~145 g	~155 g	~180 g	~190 g	~200 g	~215 g			
<b>System height</b>	163 mm	164 mm	166 mm	167 mm	175 mm	177 mm				
<b>Colour</b>	beige (4), light brown (15)									
<b>Shape</b>	narrow (S)									
<b>Heel height</b>	<b>10 +/- 5 mm</b>									
<b>Size</b>	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm			
<b>Weight</b>	~190 g	~200 g	~220 g	~225 g	~245 g	~270 g	~300 g			
<b>System height</b>	173 mm	175 mm	177 mm	181 mm	183 mm	189 mm	191 mm			
<b>Colour</b>	beige (4), light brown (15)									
<b>Shape</b>	normal (N)									

### Selection Table (spring stiffness – functional ring stiffness)

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 (88 – 103 lbs)	1–0 special order – please contact customer service						–	–	–	–	–
48 – 55 kg (106 – 121 lbs)	1 – 1	1 – 1	1 – 1	1 – 1	1 – 1	1 – 1	–	–	–	–	
56 – 65 kg (123 – 143 lbs)	2 – 2	2 – 2	2 – 2	2 – 2	2 – 2	2 – 2	2 – 2	2 – 2	2 – 2	2 – 2	
66 – 75 kg (145 – 165 lbs)	2 – 3	2 – 3	2 – 3	2 – 3	2 – 3	2 – 3	2 – 3	2 – 3	2 – 3	2 – 3	
76 – 87 kg (167 – 191 lbs)	3 – 4	3 – 4	3 – 4	3 – 4	3 – 4	3 – 4	3 – 4	3 – 4	3 – 4	3 – 4	
88 – 100 kg (194 – 220 lbs)	3 – 5	3 – 5	3 – 5	3 – 5	3 – 5	3 – 5	3 – 5	3 – 5	3 – 5	3 – 5	
101 – 112 kg (222 – 246 lbs)	–	–	–	–	4 – 6	4 – 6	4 – 6	4 – 6	4 – 6**	4 – 6**	
113 – 125 kg (249 – 275 lbs)	–	–	–	–	4 – 7	4 – 7	4 – 7	4 – 7	4 – 7**	4 – 7**	
126 – 137 kg (277 – 301 lbs)	–	–	–	–	5 – 8	5 – 8	5 – 8*	5 – 8*	5 – 8*	5 – 8*	
138 – 150 kg (304 – 330 lbs)	–	–	–	–	5 – 9	5 – 9	5 – 9	5 – 9	5 – 9	5 – 9	

Slim footshell available
  Both footshells available
  Normal footshell available

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

\*\* When combining this configuration with the C-Leg or the C-Leg compact, please contact the Ottobock Customer Service.

## Single components as replacement parts

### 4X260 Functional ring

Article number	Body weight	Functional ring stiffness
4X260=0	40 - 47	0
4X260=1	48 - 55	1
4X260=2	56 - 65	2
4X260=3	66 - 75	3
4X260=4	76 - 87	4
4X260=5	88 - 100	5
4X260=6	101 - 112	6
4X260=7	113 - 125	7
4X260=8	126 - 137	8
4X260=9	138 - 150	9



🔗 For information on ordering additional single components, please see the pages 98-99.

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## 1C62 Triton Harmony

The Triton Harmony combines the outstanding functionality of the 1C60 Triton carbon foot with the proven Harmony P3 technology. This results in a highly functional, compact foot system with integrated Harmony pump for the fabrication of a socket system with a greater vacuum, additional shock absorption and torsion capability.

The Harmony system improves adhesion between the residual limb and the prosthesis, resulting in enhanced proprioception and an additional plus in safety in any situation. Furthermore, the residual limb volume is stabilised and circulation is promoted.

Compared to the use of separate components, the 1c62 Triton Harmony offers a weight advantage and reduced structural height. This means patients with a longer transtibial residual limb can also benefit from the combination of Triton features with Harmony vacuum technology.

The scope of delivery for the Triton Harmony includes a Spectra-Sock, the footshell including connection cap, a transparent (soft) and anthracite (firm) heel wedge, a pump with pre-assembled functional ring, a compression tool socket connector and sound absorber.

- Please order directly through customer service.  
For more information, please see the order fax in the appendix.

### Order example

Reference number	=	Side	Size	-	Spring Stiffness	-	Functional ring Stiffness	-	P	/	Colour	Form
<b>1C62</b>	=	R	27	-	2	-	3	-	P	/	4	N



Max. 100 kg (220 lbs)  
21 - 24 cm

Max. 125 kg (275 lbs)  
25 - 30 cm

Max. 150 kg/330 lbs  
25 - 30 cm

<b>Reference number</b>	<b>1C62</b>									
<b>Mobility grade</b>	3 + 4									
<b>Side</b>	links (L), rechts (R)									
<b>Size</b>	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
<b>Weight (without footshell)</b>	~655 g		~710 g		~760 g		~805 g		~840 g	
<b>Stiffness</b>	1, 2, 3, 4, 5									
<b>Functional ring stiffness</b>	0, 1, 2, 3, 4, 5, 6, 7, 8, 9									
<b>Max. body weight MG 3</b>	100 kg				150 kg					
<b>Max. body weight MG 4</b>	100 kg				125 kg					
<b>Heel height</b>	<b>15 +/- 5 mm</b>									
<b>Size</b>	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm			
<b>Weight</b>	~135 g	~145 g	~155 g	~180 g	~190 g	~200 g	~215 g			
<b>System height</b>	163 mm	164 mm	166 mm	167 mm	175 mm	177 mm				
<b>Colour</b>	beige (4), light brown (15)									
<b>Shape</b>	narrow (S)									
<b>Heel height</b>	<b>10 +/- 5 mm</b>									
<b>Size</b>	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm			
<b>Weight</b>	~190 g	~200 g	~220 g	~225 g	~245 g	~270 g	~300 g			
<b>System height</b>	173 mm	175 mm	177 mm	181 mm	183 mm	189 mm	191 mm			
<b>Colour</b>	beige (4), light brown (15)									
<b>Shape</b>	normal (N)									



### Selection Table (spring stiffness – functional ring stiffness)

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 (88 – 103 lbs)	1–0 special order – please contact customer service						–	–	–	–	–
48 – 55 kg (106 – 121 lbs)	1 – 1	1 – 1	1 – 1	1 – 1	1 – 1	1 – 1	–	–	–	–	
56 – 65 kg (123 – 143 lbs)	2 – 2	2 – 2	2 – 2	2 – 2	2 – 2	2 – 2	2 – 2	2 – 2	2 – 2	2 – 2	
66 – 75 kg (145 – 165 lbs)	2 – 3	2 – 3	2 – 3	2 – 3	2 – 3	2 – 3	2 – 3	2 – 3	2 – 3	2 – 3	
76 – 87 kg (167 – 191 lbs)	3 – 4	3 – 4	3 – 4	3 – 4	3 – 4	3 – 4	3 – 4	3 – 4	3 – 4	3 – 4	
88 – 100 kg (194 – 220 lbs)	3 – 5	3 – 5	3 – 5	3 – 5	3 – 5	3 – 5	3 – 5	3 – 5	3 – 5	3 – 5	
101 – 112 kg (222 – 246 lbs)	–	–	–	–	4 – 6	4 – 6	4 – 6	4 – 6	4 – 6**	4 – 6**	
113 – 125 kg (249 – 275 lbs)	–	–	–	–	4 – 7	4 – 7	4 – 7	4 – 7	4 – 7**	4 – 7**	
126 – 137 kg (277 – 301 lbs)	–	–	–	–	5 – 8	5 – 8	5 – 8*	5 – 8*	5 – 8*	5 – 8*	
138 – 150 kg (304 – 330 lbs)	–	–	–	–	5 – 9	5 – 9	5 – 9	5 – 9	5 – 9	5 – 9	

Slim footshell available
  Both footshells available
  Normal footshell available

- \* When combining this configuration with the C-Leg, please contact the Ottobock Customer Service.
- \*\* When combining this configuration with the C-Leg or the C-Leg compact, please contact the Ottobock Customer Service.

## Single components as replacement parts

### 4X147 Functional ring for Harmony P3

Article number	Body weight	Functional ring stiffness
4X147=0	40 - 47 kg	0
4X147=1	48 - 55 kg	1
4X147=2	56 - 65 kg	2
4X147=3	66 - 75 kg	3
4X147=4	76 - 87 kg	4
4X147=5	88 - 100 kg	5
4X147=6	101 - 112 kg	6
4X147=7	113 - 125 kg	7
4X147=8	126 - 137 kg	8
4X147=9	138 - 150 kg	9

Functional ring incl. 2 valves, 2 O-rings, washer and lubricant

#### Consisting of

Functional ring incl. 2 valves, 2 O-rings, washer and lubricant

- For information on ordering additional single components, please see the pages 98-99.



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646D446=GB 646D447=GB 647G823



reddot design award winner 2013



Max. 100 kg (220 lbs) 21-24 cm  
Max. 150 kg/330 lbs 25-30 cm

## 1C63 Triton Low Profile

The 1C63 Triton Low Profile makes the excellent functionality of the 1C60 Triton available even to patients with limited space for integration.

Just like the Triton, the Low Profile version offers the advantages of the cohesive system made of flexible carbon fibre composite material and the base spring made of high-performance polymer. In the segment of prosthetic feet with a low clearance, it offers unique functionality. Next to an especially smooth rollover, the Triton Low Profile features high flexibility in the ML direction. This ensures safety and support for walking on uneven surfaces and during recreational sports. Due to its broad area of application and high load-bearing capacity, the Triton Low Profile is ideal for use in combination with the C-Leg and Genium.

The scope of delivery for the Triton Low Profile includes the footshell with connection cap, a Spectra-Sock and a transparent (soft) and anthracite (firm) heel wedge.

- Please order directly through customer service. For more information, please see the order fax in the appendix.
- For information on ordering additional single components, please see the pages 98-99.

Order example

Reference number	=	Side	Size	-	Stiffness	-	P	/	Colour	Shape
<b>1C63</b>	=	R	27	-	3	-	P	/	4	N

<b>Reference number</b>	<b>1C63</b>									
<b>Mobility grade</b>	3+4									
<b>Side</b>	links (L), rechts (R)									
<b>Size</b>	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
<b>Weight (without footshell)</b>	~300 g	~305 g	~365 g	~370 g	~410 g	~415 g	~450 g	~455 g	~550 g	~555 g
<b>Stiffness</b>	1, 2, 3, 4, 5									
<b>Max. body weight</b>	100 kg					150 kg				
<b>Heel height</b>	<b>15 +/- 5 mm</b>									
<b>Size</b>	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm			
<b>Weight</b>	~135 g	~145 g	~155 g	~180 g	~190 g	~200 g	~215 g			
<b>System height</b>	35 mm				36 mm	40 mm		45 mm		
<b>Colour</b>	beige (4), light brown (15)									
<b>Shape</b>	narrow (S)									
<b>Heel height</b>	<b>10 +/- 5 mm</b>									
<b>Size</b>	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm			
<b>Weight</b>	~190 g	~200 g	~220 g	~225 g	~245 g	~270 g	~300 g			
<b>System height</b>	42 mm	43 mm	45 mm	49 mm	52 mm		55 mm			
<b>Colour</b>	beige (4), light brown (15)									
<b>Shape</b>	normal (N)									

### Stiffness Chart

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 (121 lbs)	1	1	1	1	1	1	-	-	-	-
56 – 75 kg (123 – 165 lbs)	2	2	2	2	2	2	2	2	2	2
76 – 100 kg (167 – 220 lbs)	3	3	3	3	3	3	3	3	3	3
101 – 125 kg (222 – 275 lbs)	-	-	-	-	4	4	4	4	4**	4**
126 – 150 kg (277 – 330 lbs)	-	-	-	-	5	5	5*	5*	5*	5*

Slim footshell available    
  Both footshells available    
  Normal footshell available

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

\*\* When combining this configuration with the C-Leg or the C-Leg compact, please contact the Ottobock Customer Service.

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## 1C64 Triton Heavy Duty

The 1C64 Triton Heavy Duty is based on the outstanding functionality of the 1C60 Triton.

The innovative design of the Triton supports a broad range of applications from everyday use to recreational sports. In addition, the corrosion-resistant metal parts of the Triton Heavy Duty make this foot water-resistant and increase the field of application for the Triton.

Thanks to the use of a titanium adapter, it is particularly robust and suitable for users with mobility grade 3 and 4 and a body weight of up to 150 kg (330 lbs).

The scope of delivery for the Triton Heavy Duty includes the footshell with connection cap, a Spectra-Sock and a transparent (soft) and anthracite (firm) heel wedge.

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- Please order directly through customer service. For more information, please see the order fax in the appendix.
- For information on ordering additional single components, please see the pages 98-99.

Order example

Reference number	=	Side	Size	-	Stiffness	-	P	/	Colour	Shape
<b>1C64</b>	=	L	27	-	5	-	P	/	4	N



Max. 100 kg (220 lbs) 21-24 cm  
Max. 150 kg/330 lbs 25-30 cm

<b>Reference number</b>	<b>1C64</b>									
<b>Mobility grade</b>	3 + 4									
<b>Side</b>	links (L), rechts (R)									
<b>Size</b>	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
<b>Weight (without footshell)</b>	~430 g		~485 g		~535 g		~580 g		~615 g	
<b>Stiffness</b>	1, 2, 3, 4, 5									
<b>Max. body weight</b>	100 kg				150 kg					
<b>Heel height</b>	<b>15 +/- 5 mm</b>									
<b>Size</b>	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm			
<b>Weight</b>	~135 g	~145 g	~155 g	~180 g	~190 g	~200 g	~215 g			
<b>System height</b>	116 mm	117 mm	118 mm	120 mm	124 mm	125 mm	136 mm			
<b>Colour</b>	beige (4), light brown (15)									
<b>Shape</b>	narrow (S)									
<b>Heel height</b>	<b>10 +/- 5 mm</b>									
<b>Size</b>	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm			
<b>Weight</b>	~190 g	~200 g	~220 g	~225 g	~245 g	~270 g	~300 g			
<b>System height</b>	126 mm	129 mm	131 mm	140 mm	141 mm	154 mm	156 mm			
<b>Colour</b>	beige (4), light brown (15)									
<b>Shape</b>	normal (N)									

### Stiffness Chart

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 (121 lbs)	1	1	1	1	1	1	-	-	-	-
56 – 75 kg (123 – 165 lbs)	2	2	2	2	2	2	2	2	2	2
76 – 100 kg (167 – 220 lbs)	3	3	3	3	3	3	3	3	3	3
101 – 125 kg (222 – 275 lbs)	-	-	-	-	4	4	4	4	4**	4**
126 – 150 kg (277 – 330 lbs)	-	-	-	-	5	5	5*	5*	5*	5*

Slim footshell available    
  Both footshells available    
  Normal footshell available

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

\*\* When combining this configuration with the C-Leg or the C-Leg compact, please contact the Ottobock Customer Service.

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## Pylon feet

Pylon feet store and release energy both in the lower foot complex as well as through deformation of the vertical shank portion of the system. Pylon feet transfer part of the energy-storing deformation to the lower leg. This permits higher elasticity. This design is particularly well suited for recreational sports, without impairing the characteristics for everyday use.

Other advantages include a low distal weight and their narrow, easily finished construction.

Also note that this design is not adjustable in the ankle plane.



### 1E58 Axtion DP

The 1E58 Axtion DP is ideal for active and demanding people. The design and choice of materials offer rotation, shock absorption, moderate multiaxial function and high energy return. The foot is particularly well suited for active users who pursue demanding recreational activities involving running and jumping, such as tennis or other athletic disciplines.

The scope of delivery for the Axtion DP includes the Spectra-Sock:

The footshell of the Axtion DP is available in 2 different colours – beige (4) and light brown (15). The footshell is not included in the scope of delivery, but is listed separately as an accessory (page 89).

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- Please order directly through customer service: ordering information and measurement forms in the appendix.



<b>Reference number</b>	<b>1E58</b>									
<b>Mobility grade</b>	3 + 4									
<b>Heel height</b>	13 +/- 5 mm									
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm	31 cm
<b>Min. system height A pylon</b>	184 mm									
<b>Min. system height B pylon</b>	200 mm									
<b>Max. system height</b>	368 mm									
<b>Weight</b>	360 g	380 g	385 g	390 g	245 g	435 g	445 g	455 g	465 g	475 g
<b>Max. body weight</b>	125 kg									
Weight without footshell										

## 1E50 / 1E51 Advantage DPII

The 1E50/1E51 Advantage DPII is notable for its good shock absorption, dynamic response, high return of energy and moderate multi-axial function. It is especially suitable for dynamic walkers who engage in very demanding activities such as basketball or skiing during their leisure time.

The Advantage DPII is available in the pylon lengths “standard” (38 cm) and “long” (51 cm) (PU sheathing 30 cm). The scope of delivery for the foot includes the Spectra-Sock protective sock. The footshell for the Advantage DPII is available in 2 different colours – beige (4) and light brown (15). The footshell not include the scope of delivery. It is listed separately as an accessory.

- ▶ Please order directly through customer service: ordering information and measurement forms in the appendix



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≤ 150 kg

<b>Reference number</b>	<b>1E50</b>									
<b>Mobility grade</b>	3 + 4									
<b>Heel height</b>	9 mm									
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm	31 cm
<b>Min. system height A pylon</b>	150 mm (standard pylon), 277 mm (long pylon)									
<b>Min. system height B pylon</b>	166 mm (standard pylon), 293 mm (long pylon)									
<b>Max. system height</b>	370 mm (Standard Pylon), 498 mm (Langer Pylon)									
<b>Weight</b>	~320 g	~330 g	~360 g	~380 g	~400 g	~415 g	~435 g	~450 g	~470 g	~485 g
<b>Max. body weight</b>	150 kg									
<b>Reference number</b>	<b>1E51</b>									
<b>Mobility grade</b>	3 + 4									
<b>Heel height</b>	19 mm									
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm	31 cm
<b>Min. system height A pylon</b>	141 mm (standard pylon), 268 mm (long pylon)									
<b>Min. system height B pylon</b>	157 mm (standard pylon), 284 mm (long pylon)									
<b>Max. system height</b>	362 mm (standard pylon), 489 mm (long pylon)									
<b>Weight</b>	~320 g	~330 g	~360 g	~380 g	~400 g	~415 g	~435 g	~450 g	~470 g	~485 g
<b>Max. body weight</b>	150 kg									

Weight without footshell and adapter

Sizes	Mobility grade 3		Mobility grade 4		Pylon width
	Moderate activity/ low impact load	Moderate activity/ moderate impact load	Moderate activity/ high impact load	High activity/ high impact load	
up to 25 cm	up to 150 kg (330 lbs)	up to 150 kg (330 lbs)	up to 150 kg (330 lbs)	up to 150 kg (330 lbs)	A
	–	–	–	–	B
26 – 27 cm	up to 122 kg (268 lbs)	up to 122 kg (268 lbs)	up to 114 kg (251 lbs)	up to 102 kg (224 lbs)	A
	from 123 – 150 kg (271 – 330 lbs)	from 123 – 150 kg (271 – 330 lbs)	from 115 – 150 kg (253 – 330 lbs)	from 103 – 150 kg (227 – 330 lbs)	B
28 – 31 cm	up to 122 kg (268 lbs)	up to 108 kg (238 lbs)	up to 102 kg (224 lbs)	up to 102 kg (224 lbs)	A
	from 123 – 150 kg (271 – 330 lbs)	from 109 – 150 kg (240 – 330 lbs)	from 103 – 150 kg (227 – 330 lbs)	from 103 – 150 kg (227 – 330 lbs)	B



## 1E61 Springlite II

The Springlite II prosthetic foot is custom-made.

Since it has no weight and foot size limits, is recommended in particular for amputees with a higher than average body weight or foot size beyond the regular spectrum. Modular adapters can be used up to 150 kg (330 lbs). At a body weight that exceeds 150 kg (330 lbs), the foot has to be laminated in directly and should therefore be ordered without a PU sheath.

The foot is available in the pylon lengths "extremely short" (36 cm), "standard" (38 cm) and "long" (51 cm) (PU sheathing 30 cm).

The scope of delivery for the Springlite II includes the Spectra-Sock protective sock. The footshell of the Springlite II is available in 2 different colours – beige (4) and light brown (15). The scope of delivery for the Springlite II does not include the footshell. It is listed separately as an accessory.

Our customer service will be pleased to help you select the appropriate adapters and the required components for the footshell.

<b>Reference number</b>	<b>1E61</b>
<b>Mobility grade</b>	3 + 4
<b>Heel height</b>	13 mm

- Please order the foot directly through customer service: ordering information and measurement forms in the appendix

SL=42P310

## Accessories for Springlite II

- for direct lamination



### 4R420 Posterior connection plate (set)

for direct lamination in transtibial fittings (posterior)

<b>Article number</b>	<b>4R420</b>
<b>Max. body weight</b>	Unlimited



## 2R176=T T-Adapter

for direct lamination in transtibial fittings (distal)

<b>Article number</b>	<b>2R176=T</b>
<b>Max. body weight</b>	Unlimited



## Accessories for all pylon feet

• Please order separately

### 2C5 Footshell

with connection cap

Order example

Reference number	=	Side	Size	/	Colour
<b>2C5</b>	=	L	25	/	4



647G333

Reference number	<b>2C5</b>									
<b>Side</b>	links (L), rechts (R)									
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm	31 cm
<b>Weight</b>	~150 g	~155 g	~195 g	~210 g	~225 g	~235 g	~265 g	~275 g	~310 g	~320 g
<b>Colour</b>	beige (4), light brown (15)									

### 2C100 Footshell replacement tool

<b>Article number</b>	<b>2C100</b>
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## Single components as replacement parts

### SL=Spectra-Sock Protective sock

<b>Article number</b>	<b>SL=Spectra-Sock</b>
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## 2C10 Connection cap

Order example



Reference number	=	Side	Size range	/	Colour
<b>2C10</b>	=	L	21-22	/	4

Reference number	2C10
<b>Side</b>	links (L), rechts (R)
<b>Size</b>	21 – 22 cm, 23 – 25 cm, 26 – 28 cm, 29 – 31 cm
<b>for</b>	2C5 Footshell
<b>Colour</b>	beige (4), light brown (15)

## A-Pylon

	Connection to modular components with pyramid adapter/receiver	Connection to modular components with tube clamp	Connection to socket adapter/attachment block
Accessories	 <p><b>4R82-P</b> Tube Clamp Adapter Ø 34 mm SH* -12 mm</p> <p><b>4R82</b> Tube Clamp Adapter Ø 34 mm SH* 33 mm</p>	<p>Ø 30 mm      Ø 34 mm</p>  <p><b>2R182=30</b> Transfemoral Fitting SH* 89 mm</p> <p><b>2R183</b> Spacer sleeve, 50 mm SH* 6 mm</p>	<p>4-hole Euro M6      4-hole Euro M6 without thread</p>  <p><b>4R431=1</b> Socket Adapter SH* 5 mm</p> <p><b>4R431=2</b> Socket Adapter SH* 5 mm</p>
	<p>Ø 34 mm</p>  <p><b>2R183</b> Spacer sleeve, 50 mm SH* 6 mm</p> <p><b>2R183=L</b> Length adjustment, 120 mm SH* 79 mm</p>		<p><b>4R415</b> Spacer Plate, 4-hole, height 3 mm SH* 3 mm</p>
		Single components	

## B-Pylon

	Connection to modular components with tube clamp	Connection to socket adapter/attachment block
Accessories	<p>Ø 30 mm      Ø 34 mm</p>  <p><b>2R185=30</b> Oberschenkelversorgung SH* 89 mm</p> <p><b>2R185=34</b> Oberschenkelversorgung SH* 89 mm</p>	<p>4-hole Euro M6      4-hole Euro M6 without thread</p>  <p><b>4R432=1</b> Socket Adapter SH* 3 mm</p> <p><b>4R432=2</b> Socket Adapter SH* 3 mm</p>
		<p><b>4R415</b> Spacer Plate, 4-hole, height 3 mm SH* 3 mm</p>
Single components		

\* SH = system height

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## Feet for limited clearance

The basic principle for amputations according to Lisfranc, Chopart, Pirogoff and Syme is to always conserve as much of the limb as possible, since the supporting surface gets smaller as the amputation level increases. Amputation techniques are aimed at the conservation of the sole in order to make use of both its load bearing capability and its proprioception.

Limited space always represents a major challenge for designers in the development of prosthetic feet and prosthetists in their application. In the development of these feet, using the available space to best advantage is therefore essential in order to ensure good functionality and handling.



### 1E80 / 1E81 / 1E82 Chopart footplate

The Chopart footplate features an extremely low clearance and is suitable for partial foot amputations as well as amputations according to Chopart, Pirogoff or Syme. The footplate is connected to the socket using the Bonding kit (see accessories).

All sizes of the footplate are available in 3 different heel heights: 0 mm, 9 mm, 19 mm. The footshell for the Chopart footplate is available in 2 different colours – beige (4) and light brown (15). The footshell is not included in the scope of delivery. It must be ordered separately as an accessory.

- Please order directly through customer service: ordering information and measurement forms in the appendix

SL=42P303



<b>Reference number</b>	<b>1E80</b>									
<b>Mobility grade</b>	3 + 4									
<b>Heel height</b>	0 mm									
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm	31 cm
<b>Structural height</b>	17 mm		18 mm	19 mm	20 mm	21 mm	22 mm	23 mm	24 mm	
<b>Weight (without footshell)</b>	~115 g	~125 g	~130 g	~140 g	~145 g	~155 g	~160 g	~170 g	~175 g	~185 g
<b>Max. body weight</b>	136 kg									

<b>Reference number</b>	<b>1E81</b>									
<b>Mobility grade</b>	3 + 4									
<b>Heel height</b>	9 mm									
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm	31 cm
<b>Structural height</b>	17 mm		18 mm	19 mm	20 mm	21 mm	22 mm	23 mm	24 mm	
<b>Weight (without footshell)</b>	~115 g	~125 g	~130 g	~140 g	~145 g	~155 g	~160 g	~170 g	~175 g	~185 g
<b>Max. body weight</b>	136 kg									

<b>Reference number</b>	<b>1E82</b>									
<b>Mobility grade</b>	3 + 4									
<b>Heel height</b>	19 mm									
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm	31 cm
<b>Structural height</b>	17 mm		18 mm	19 mm	20 mm	21 mm	22 mm	23 mm	24 mm	
<b>Weight (without footshell)</b>	~115 g	~125 g	~130 g	~140 g	~145 g	~155 g	~160 g	~170 g	~175 g	~185 g
<b>Max. body weight</b>	136 kg									



**Practical recommendation:**

The prosthetic foot is designed for use with a footshell. Without a footshell, the individual foot is shorter than the size indicates.

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## Accessories

• Please order separately



### SL=P078 Chopart bonding kit

Contains 636W80 Primer

<b>Article number</b>	<b>SL=P078</b>
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### SL=P071 Fill footshell foam kit

<b>Article number</b>	<b>SL=P071</b>
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### 2C5 Footshell

with connection cap

Order example

Reference number	=	Side	Size	/	Colour
<b>2C5</b>	=	L	25	/	4

647G333

Reference number	<b>2C5</b>									
<b>Side</b>	links (L), rechts (R)									
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm	31 cm
<b>Weight</b>	~150 g	~155 g	~195 g	~210 g	~225 g	~235 g	~265 g	~275 g	~310 g	~320 g
<b>Colour</b>	beige (4), light brown (15)									



### 2C10 Connection cap

bonded to the foam cover and then pressed onto the edge of the formed foot component.

Order example

Reference number	=	Side	Size range	/	Colour
<b>2C10</b>	=	L	21-22	/	4

Reference number	<b>2C10</b>			
<b>Side</b>	links (L), rechts (R)			
<b>Size</b>	21 – 22 cm	23 – 25 cm	26 – 28 cm	29 – 31 cm
<b>for</b>	2C5 Footshell			
<b>Colour</b>	beige (4), light brown (15)			

## 1C20 ProSymes

The 1C20 ProSymes is a prosthetic foot designed for the fitting of Symes amputations and, in some cases, for Pirogoff amputations with an effective alignment and application technique.

The adjustment concept permits correction of the foot position during trial fitting and after finishing the prosthesis. It systemises and facilitates the fitting and offers reproducible adjustment possibilities. With its low clearance of only 43 mm (including lamination anchor and footshell), the ProSymes is the ideal solution for Symes amputees, who require a dynamic foot with outstanding reliability and performance. It is ideally suited for walking on various types of surfaces and for recreational sports.

The scope of delivery for the ProSymes includes the lamination anchor, lamination cover, spacer plate, footshell and application video (CD-ROM).

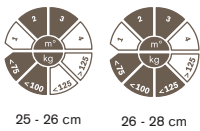


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 646DV7 646V87=GB

Order example

**Reference number = Side Size - Stiffness - A / Colour**

**1C20 = L 25 - 1 - A / 4**



<b>Reference number</b>	<b>1C20</b>			
<b>Mobility grade</b>	2 + 3			
<b>Heel height</b>	10 +/- 5 mm			
<b>Side</b>	links (L), rechts (R)			
<b>Size</b>	25 cm	26 cm	27 cm	28 cm
<b>Clearance (with spacer plate)</b>	52 mm			
<b>Clearance (without spacer plate)</b>	43 mm			
<b>Weight (with lamination anchor, without footshell)</b>	~ 465 g	~ 475 g	~ 490 g	~ 495 g
<b>Colour</b>	beige (4), light brown (15)			
<b>Max. body weight</b>	100 kg			

	Size	25 cm	26 cm	27 cm	28 cm
<b>Body weight</b>					
<b>up to 100 kg (220 lbs)</b>		1	2	2	2
<b>101 - 125 kg (222 lbs - 275 lbs)</b>		—	3	3	3

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## Single components as replacement parts

### 2G120 Lamination anchor

with lamination cover

<b>Article number</b>	<b>2G120</b>
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### 2Z120 Screw set

<b>Article number</b>	<b>2Z120</b>
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### 2Z328 Setting aid with screw

<b>Article number</b>	<b>2Z328</b>
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### 2C2 Footshell

Order example

Reference number	=	Side	Size	/	Colour
<b>2C2</b>	=	L	25	/	4

<b>Reference number</b>	<b>2C2</b>			
<b>Side</b>	links (L), rechts (R)			
<b>Size</b>	25 cm	26 cm	27 cm	28 cm
<b>Weight</b>	190 g	230 g	235 g	255 g
<b>Colour</b>	beige (4), light brown (15)			



## 1E57 Lo Rider

The 1E57 Lo Rider is a dynamic foot for Symes amputees. In cases with a very low clearance, the foot can be ordered without pyramid adapter (as an option) and used in conjunction with the XO coupler. The scope of delivery for the Lo Rider includes the Spectra-Sock.

The footshell for the Lo Rider is available in 2 different colours – beige (4) and light brown (15). The scope of delivery for the Lo Rider does not include the footshell. It is listed separately as an accessory.

- ▶ Please order directly through customer service:  
Ordering information and measurement forms in the appendix



647G338=03



$\le 136$  kg (299 lbs)

<b>Reference number</b>	<b>1E57</b>									
<b>Mobility grade</b>	3 + 4									
<b>Heel height</b>	9 +/- 5 mm									
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm	31 cm
<b>System height</b>	18 mm									
<b>Weight</b>	~240 g	~255 g	~270 g	~280 g	~290 g	~305 g	~320 g	~330 g	~345 g	~355 g
<b>Max. body weight MG 3</b>	136 kg									
<b>Max. body weight MG 4</b>	100 kg									

Weight without footshell



### Practical recommendation:

The ankle moments of the Lo Rider cause heavy strain on the adjacent prosthetic components. Therefore, it is necessary to use adapters of the next higher weight class below the knee joint (e.g. for a patient with a body weight of 90 kg (198 lbs): use adapters rated up to 125 kg (275 lbs)). The prosthetic foot is designed for use with a footshell. Without a footshell, the individual foot is shorter than the size indicates.

## Accessories

- ▶ Please order separately

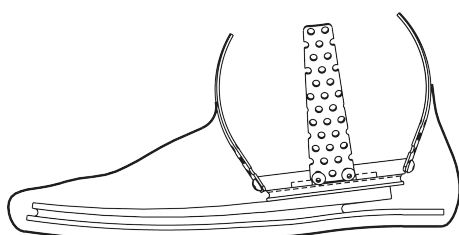
### XO coupler

The XO coupler is used for the exoskeletal connection of Springlite feet with an integrated pyramid. It allows for a low structural height.

Article number	SL=LR-XOCS-M6	SL=LR-XOCL-M6	SL=LR-XOCL-5/16
<b>Diameter</b>	73 mm	85 mm	85 mm

- ▶ Adapter selection is based on the mobility grade and body weight, and is done automatically by customer service.

Please use a 1/4" Allen key.



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647G333

## 2C5 Footshell

with connection cap

Order example

Reference number	=	Side	Size	/	Colour
2C5	=	L	25	/	4

Reference number	2C5							
Side	links (L), rechts (R)							
Size	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm	31 cm
Weight	~195 g	~210 g	~225 g	~235 g	~265 g	~275 g	~310 g	~320 g
Colour	beige (4), light brown (15)							

- For the sizes 22 and 23 cm, please order the SL=M/F footshell (see the order form for more information).

## Single components as replacement parts



### SL=Spectra-Sock Protective sock

Article number	SL=Spectra-Sock



## 2C10 Connection cap

bonded to the foam cover and then pressed onto the edge of the formed foot component.

Order example

Reference number	=	Side	Size range	/	Colour
2C10	=	L	21-22	/	4

Reference number	2C10	
Side	links (L), rechts (R)	
Size	21 – 22 cm, 23 – 25 cm, 26 – 28 cm, 29 – 31 cm	
for	2C5 Footshell	
Colour	beige (4), light brown (15)	



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# Modular adapters

The success of the modular prosthetic system is based on the adjustable connecting element, which was patented by Ottobock in 1969 and is now used worldwide. A pyramid receiver with 4 set screws encompasses the pyramid adapter. Alignment adjustments in terms of angle changes can be realised using the set screws. Double, eccentric and sliding adapters offer even more adjustment options. Modular adapters connect the following functional units: the prosthetic foot, knee joint, hip joint and socket. Tube adapters of various lengths and diameters with tube clamp adapters create connections that can be adjusted in length, e.g. between the prosthetic foot and knee joint. The range of lamination anchors, socket adapters and socket attachment blocks is adapted to the materials and design of the prosthetic socket, forming the transition to the distal section.

Functional adapters such as shock absorbers as well as rotation and torsion adapters complement the portfolio. Based on biomechanical insights, they were designed to facilitate the performance of everyday activities. They also enhance wearer comfort for the user of the prosthesis.

Ottobock quality adapters – guaranteed good quality!

You can rely on the good quality of our adapters! We guarantee the good quality of our standard adapters with a warranty from the date of purchase. Since the warranty terms and conditions differ between countries, please contact your local Ottobock branch for more information.

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**Caution when connecting to carbon spring feet:**

The ankle moments which occur with the Lo Rider and Axtion carbon spring feet put a heavy strain on the adjoining prosthetic components. These feet therefore have to be assembled with structural components of the next higher weight category below the knee joint.  
Example: an Axtion for a prosthesis wearer weighing 90 kg (198 lbs) must be equipped with an adapter for a body weight of up to 125 kg (275 lbs).

**Caution with transtibial prostheses:**

- A Ø 34 mm tube adapter and a Ø 34 mm tube clamp adapter are recommended to provide maximum stability of transtibial prostheses, especially when elevated strain is expected due to higher activity levels, longer foot or transtibial lever arms or similar factors.



647H90=1

**Tube adapter**

The tube adapters are available in 2 different lengths.



Article number	2R37	2R38
Diameter	30 mm	
Material	Titanium	
Min. system height	97 mm	
Max. system height	232 mm	472 mm
Weight	160 g	275 g
Max. body weight	100 kg	

- For higher loads in transtibial prostheses, a tube adapter with Ø 34 mm should be used (e.g. 2R57/2R76).



647H96

**Tube adapter**

The tube adapters are available in 2 different lengths.



Article number	2R50	2R49
Diameter	30 mm	
Material	Aluminium	
Min. system height	97 mm	
Max. system height	232 mm	432 mm
Weight	155 g	240 g
Max. body weight	100 kg	

- For higher loads, we recommend using titanium components (2R37/2R38).
- For higher loads in transtibial prostheses, a tube adapter with Ø 34 mm should be used (e.g. 2R57/2R76).

## Tube adapter

The tube adapters are available in 2 different lengths.



Article number	2R2	2R3
Diameter	30 mm	
Material	Stainless steel	
Min. system height	97 mm	
Max. system height	232 mm	472 mm
Weight	195 g	315 g
Max. body weight	100 kg	

- For higher loads in transtibial prostheses, a tube adapter with  $\varnothing$  34 mm should be used (e.g. 2R57/2R76).



647H90=1

## 2R38=10 Tube adapter, angled 10°



Article number	2R38=10
Diameter	30 mm
Material	Titanium
Min. system height	98 mm
Max. system height	474 mm
Weight	275 g
Angling	10°
Max. body weight	100 kg



647H90=1



## Single components as replacement parts

Article number	2R2	2R3	2R37	2R38	2R38=10	2R49	2R50
506G3=M8x12-V Grub screw	▲	▲	▲	▲	▲		
506G3=M8x14 Set screw						▲	▲

▲ minimum order quantity required

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 647H90

### Tube clamp adapter



<b>Article number</b>	<b>4R52</b>
<b>Diameter</b>	30 mm
<b>Material</b>	Titanium
<b>System height</b>	33 mm
<b>Weight</b>	75 g
<b>Max. body weight</b>	100 kg

- For higher loads in transtibial prostheses, a tube clamp adapter with Ø 34 mm should be used (e.g. 4R82/4R91).



 647H96


### 4R69 Tube clamp adapter



<b>Article number</b>	<b>4R69</b>
<b>Diameter</b>	30 mm
<b>Material</b>	Aluminium
<b>System height</b>	33 mm
<b>Weight</b>	75 g
<b>Max. body weight</b>	100 kg

- For higher loads, we recommend using titanium components (4R52).
- For higher loads in transtibial prostheses, a tube clamp adapter with Ø 34 mm should be used (e.g. 4R82/4R91).



 647H90

### Tube clamp adapter



<b>Article number</b>	<b>4R21</b>
<b>Diameter</b>	30 mm
<b>Material</b>	Stainless steel
<b>System height</b>	33 mm
<b>Weight</b>	130 g
<b>Max. body weight</b>	100 kg

- For higher loads in transtibial prostheses, a tube clamp adapter with Ø 34 mm should be used (e.g. 4R82/4R91).



## 4R103 Tube clamp adapter, movable

The adapter allows additional sliding adjustments between the prosthetic socket and tube adapter, even while the prosthesis is worn. These fine tunings allow a parallel shifting of the distal portion regardless of the adjustment angle set by the pyramid adapters. The prosthetic foot can be shifted medially or laterally in the frontal plane, or dorsally or ventrally in the sagittal plane.




≤ 85 kg

<b>Article number</b>	<b>4R103</b>
<b>Diameter</b>	30 mm
<b>Material</b>	Titanium
<b>System height</b>	51 mm
<b>Weight</b>	185 g
<b>Displacement</b>	+/- 11 mm
<b>Max. body weight</b>	85 kg

- For higher loads in transtibial prostheses, a tube clamp adapter with Ø 34 mm should be used (e.g. 4R88).



 647H129



## 4R98 Tube clamp adapter, movable

The adapter allows additional sliding adjustments between the prosthetic socket and tube adapter, even while the prosthesis is worn. These fine tunings allow a parallel shifting of the distal portion regardless of the adjustment angle set by the pyramid adapters. The prosthetic foot can be shifted medially or laterally in the frontal plane, or dorsally or ventrally in the sagittal plane.



≤ 75 kg

<b>Article number</b>	<b>4R98</b>
<b>Diameter</b>	30 mm
<b>Material</b>	Aluminium
<b>System height</b>	57 mm
<b>Weight</b>	150 g
<b>Displacement</b>	+/- 9 mm
<b>Max. body weight</b>	75 kg

- For higher loads in transtibial prostheses, a tube clamp adapter with Ø 34 mm should be used (e.g. 4R88).



 647H66





647H9



## 4R56 Tube clamp adapter, with 10°, 20° or 30° angle

The adapter is available with 3 different angles.

In prosthetic fittings with 7E5, 7E4 or 7E7 Hip Joints, it forms the adjustable connection between the pyramid adapter of the knee joint or the 4R57 Rotation Adapter and the hip joint tube. According to the direction of the tube, it forms an angle of 10°, 20° or 30° with the hip joint offset to the front.

In prosthetic fittings with Helix<sup>3D</sup> Hip Joint System, the adapter is intended for the adjustable proximal connection of the hip joint to the 2R30 Thigh Tube and for the adjustable distal connection of the 2R30 Thigh Tube to the pyramid adapter of the knee joint or the 4R57 Rotation Adapter.



Article number	4R56	4R56=1	4R56=2
<b>Diameter</b>	30 mm		
<b>Material</b>	Titanium		
<b>System height</b>	34 mm		35 mm
<b>Weight</b>	85 g		100 g
<b>Angling</b>	10°	20°	30°
<b>Max. body weight</b>	100 kg		

- The 4R56=1=2 Tube Clamp Adapter with a 20°/30° angle is recommended for larger pelvic sockets. When using '=HD' knee joints, please consider the 10° angle of the pyramid adapter.

## Single components as replacement parts

Article number	4R21	4R52	4R56	4R69	4R98	4R103
<b>4D4</b> Single component pack	●	●	●			●
<b>501Z2=M6x25</b> Cap screw				▲	▲	
<b>501Z2=M6x35</b> Cap screw					▲	
<b>501Z16</b> Clamping screw						▲
<b>506G3=M5x8</b> Set screw						▲
<b>506G3=M8x12-V</b> Grub screw	▲	▲	▲			
<b>506G3=M8x14</b> Set screw				▲		
<b>506G3=M8x16</b> Set screw					▲	▲

▲ minimum order quantity required

● Single Component Pack

## Tube adapter

The tube adapters are available in 2 different lengths.



≤ 150 kg

Article number	2R57	2R58
Diameter	34 mm	
Material	Titanium	
Min. system height	77 mm	
Max. system height	282 mm	472 mm
Weight	220 g	330 g
Max. body weight	150 kg	



647G180=1

## Tube adapter

The tube adapters are available in 2 different lengths.



≤ 150 kg

Article number	2R76	2R77
Diameter	34 mm	
Material	Stainless steel	
Min. system height	77 mm	
Max. system height	282 mm	472 mm
Weight	260 g	370 g
Max. body weight	150 kg	



647G180=1

## Single components as replacement parts

Article number	2R57	2R58	2R76	2R77
506G3=M8x14 Set screw	▲	▲		▲

▲ minimum order quantity required

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647G180

### 4R82 Tube clamp adapter



≤ 150 kg

<b>Article number</b>	<b>4R82</b>
<b>Diameter</b>	34 mm
<b>Material</b>	Titanium
<b>System height</b>	33 mm
<b>Weight</b>	95 g
<b>Max. body weight</b>	150 kg



647G180

### 4R91 Tube clamp adapter



≤ 150 kg

<b>Article number</b>	<b>4R91</b>
<b>Diameter</b>	34 mm
<b>Material</b>	Stainless steel
<b>System height</b>	33 mm
<b>Weight</b>	140 g
<b>Max. body weight</b>	150 kg



647G180

### 4R82=P Tube clamp adapter



≤ 150 kg

<b>Article number</b>	<b>4R82=P</b>
<b>Diameter</b>	34 mm
<b>Material</b>	Titanium
<b>System height</b>	-12 mm
<b>Weight</b>	90 g
<b>Max. body weight</b>	150 kg

## 4R88 Tube clamp adapter, movable

The adapter allows additional sliding adjustments between the prosthetic socket and tube adapter, even while the prosthesis is worn. These fine tunings allow a parallel shifting of the distal portion regardless of the adjustment angle set by the pyramid adapters. The prosthetic foot can be shifted medially or laterally in the frontal plane, or dorsally or ventrally in the sagittal plane.



<b>Article number</b>	<b>4R88</b>
<b>Diameter</b>	34 mm
<b>Material</b>	Titanium
<b>System height</b>	51 mm
<b>Weight</b>	185 g
<b>Displacement</b>	+/- 11
<b>Max. body weight</b>	100 kg



647H48



## 4R156 Tube clamp adapter, with 10°, 20° or 30° angle

The adapter is available with 3 different angles.

Due to its high load-bearing capacity, it is preferable for use in combination with the 7E9 Hip Joint. Here the adapter is intended for the adjustable proximal connection of the hip joint to the 2R36 Thigh Tube and for the adjustable distal connection of the 2R36 Thigh Tube to the pyramid adapter of the knee joint or the 4R57 Rotation Adapter.



Article number	4R156	4R156=1	4R156=2
<b>Diameter</b>	34 mm		
<b>Material</b>	Titanium		
<b>System height</b>	36 mm	37 mm	38 mm
<b>Weight</b>	140 g	165 g	175 g
<b>Angling</b>	10°	20°	30°
<b>Max. body weight</b>	150 kg		



647G748

- The 4R156=1/=2 Tube Clamp Adapter with a 20°/30° angle is recommended for larger pelvic sockets. When using 'HD' knee joints, please consider the 10° angle of the pyramid adapter.

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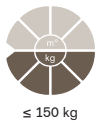
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## Single components as replacement parts

Article number/Reference number	4R82	4R82=P	4R88	4R91	4R156
<b>4D4</b> Single component pack	●	●	●	●	
<b>4D28</b> Single component pack					●
<b>4X28=3</b> Plastic ring					■
<b>501Z16</b> Clamping screw			▲		
<b>506G3=M8x12-V</b> Grub screw				▲	▲
<b>506G3=M8x14</b> Set screw	▲		▲		

▲ minimum order quantity required   ● Single Component Pack   ■ can be ordered individually

## 4R72 Double adapter



647H34

Article number	4R72=32	4R72=45	4R72=60	4R72=75
Material	Titanium			
System height	69 mm	82 mm	97 mm	112 mm
Weight	85 g	95 g	110 g	125 g
Max. body weight	150 kg			

- For the use in water and in humid environments the included set screws have to be changed to anti corrosive Titanium set screws 506G5=\* (e.g. 506G5=M8X12). The Titanium set screws are available in the dimensions M8X12, M8X14 and M8X16.

## 4R104 Double adapter, movable

The adapter connects 2 prosthetic components with pyramid adapter and also allows a translation adjustment medially or laterally in the frontal plane, or dorsally or ventrally in the sagittal plane.



647H137

Article number	4R104=60	4R104=75
Material	Titanium	
System height	97 mm	112 mm
Weight	215 g	225 g
Displacement	+/- 11 mm	
Max. body weight	100 kg	

## Double adapter



647G300

Article number	4R76	4R78
Material	Stainless steel	
System height	-32 mm	-30 mm
Weight	95 g	115 g
Max. body weight	150 kg	

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647H41

### 4R84 Double adapter



≤ 150 kg

<b>Article number</b>	<b>4R84</b>
<b>Material</b>	Titanium
<b>System height</b>	36 mm
<b>Weight</b>	115 g
<b>Max. body weight</b>	150 kg

- For the use in water and in humid environments the included set screws have to be changed to anti corrosive Titanium set screws 506G5=\* (e.g. 506G5=M8X12). The Titanium set screws are available in the dimensions M8X12, M8X14 and M8X16.



647H436

### Connection adapter



≤ 150 kg



<b>Article number</b>	<b>4R84=D</b>	<b>4R84=D-62</b>
<b>Diameter</b>	30 mm	
<b>Material</b>	Titanium	Stainless steel
<b>System height</b>	19 mm	
<b>Min. system height</b>		20 mm
<b>Max. system height</b>		48 mm
<b>Weight</b>	65 g	145 g
<b>Max. body weight</b>	150 kg	



647H436

### Connection adapter with pyramid receiver



≤ 150 kg



<b>Article number</b>	<b>4R72=D</b>	<b>4R72=D-62</b>	<b>4R75=D-70</b>
<b>Diameter</b>	30 mm		34 mm
<b>Material</b>	Titanium	Stainless steel	
<b>System height</b>	66 mm		
<b>Min. system height</b>		67 mm	76 mm
<b>Max. system height</b>		96 mm	106 mm
<b>Weight</b>	70 g	150 g	170 g
<b>Max. body weight</b>	150 kg		



## Single components as replacement parts

Article number/Reference number	4R72 / 4R104	4R75=D-70	4R84	4R104
<b>501Z16</b> Clamping screw				▲
<b>506G3=M5x8</b> Set screw				▲
<b>506G3=M8x12-V</b> Grub screw	▲	▲	▲	
<b>506G3=M8x16</b> Set screw				▲

▲ minimum order quantity required

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647G185

### 4R50 Pyramid adapter with threaded connector

Used in combination with the 4R44=L Pyramid Receiver with Threaded Connector for individual length compensation and rotation adjustment in transtibial and transfemoral prostheses. This adjustment unit consisting of the 4R50 and 4R44=L Adapter can be used to connect e.g. to the 4R150 Harmony HD system.



≤ 150 kg

<b>Article number</b>	<b>4R50</b>
<b>Material</b>	Titanium
<b>System height</b>	-1 mm
<b>Weight</b>	70 g
<b>Max. body weight</b>	150 kg



647G185

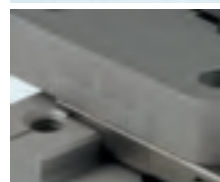
### 4R44=L Pyramid receiver with threaded connector

Used in combination with the 4R50 Pyramid Adapter with Threaded Connector for individual length compensation as well as rotation adjustment in transtibial and transfemoral prostheses. The adapter can be reduced in length. The combination of the 4R44=L with the 4R43 or 4R111=N Lamination Anchor creates a length-adjustable socket connector.



≤ 150 kg

<b>Article number</b>	<b>4R44=L</b>
<b>Material</b>	Stainless steel
<b>Min. system height</b>	31 mm
<b>Max. system height</b>	91 mm
<b>Weight</b>	210 g
<b>Max. body weight</b>	150 kg



647H141



### 4R101 Sliding adapter

The 4R101 Sliding Adapter is installed between the socket attachment block (5R1 or 5R6) and the socket adapter (e.g. 4R51). Independent repositioning in the frontal and sagittal plane is possible. The displacement can be read on the scale.



<b>Article number</b>	<b>4R101</b>
<b>Material</b>	Aluminium
<b>System height</b>	25 mm
<b>Weight</b>	205 g
<b>Offset in m-l and a-p direction</b>	+/- 11 mm
<b>Max. body weight</b>	100 kg

- In transtibial prostheses, the 4R101 Sliding Adapter is only suited for initial and/or interim use; in transfemoral prostheses, it is also suited for definitive use.

## 4R118 Adapter plate

The adapter plate is used especially for permanent additional posterior placement of the knee joint (e.g. 3R90 and 3R92) to the prosthetic socket. It can only be used in combination with an adapter with four-hole connection (e.g. 5R1 and 5R2).



<b>Article number</b>	<b>4R118</b>
<b>Material</b>	Aluminium
<b>System height</b>	10 mm
<b>Weight</b>	75 g
<b>Displacement</b>	10 to 25 mm
<b>Max. body weight</b>	125 kg

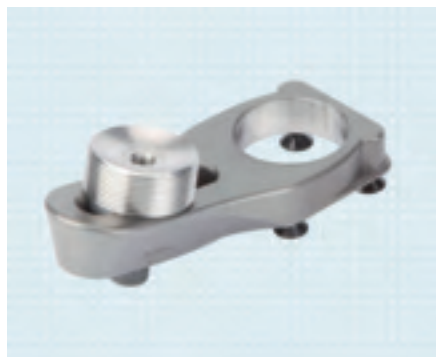


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646D666 647G644

## 4R170 Sliding adapter

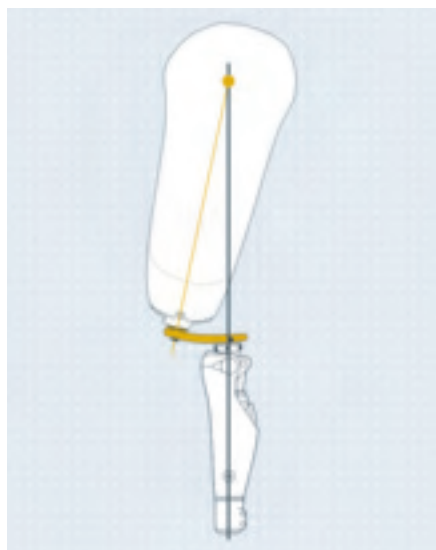
4R170=1 and 4R170=2 Sliding Adapters help you optimise the alignment of your prosthesis so you get a better quality fit. These adapters can be slid along a circular path so you can make fine adjustments to the socket flexion position in transfemoral prostheses.

The adjustment is made by loosening the sliding proximal connection (factory-set outer thread for connecting 4R111=N or 4R43 Lamination Anchor, for example) with an Allen wrench, moving it and then re-tightening it. The 4R170=1 Adapter is suitable for fittings with a larger socket flexion setting, whereas the 4R170=2 Adapter is suitable for a smaller setting. The adjustment range for both adapters is 4°. The socket flexion angle can be changed at any time. The settings can be reproduced by attaching the scale as an aid. The proximal connection can be swapped for the 4R173 Pyramid Receiver (Page 139). The 4R50 Pyramid Adapter (the pages 136, 139) can be screwed on to the thread in order to create the connection to a prosthetic component with a pyramid receiver.



Article number	4R170=1	4R170=2
<b>Material</b>	INOX stainless steel	
<b>Distal connection</b>	4-hole	
<b>Proximal connection</b>	Threaded connector	
<b>System height</b>	15 mm	
<b>Weight</b>	550 g	440 g
<b>Displacement</b>	4°	
<b>Max. body weight</b>	150 kg	

- Only suitable for use in transfemoral prostheses.
- Suitable for use in trial prostheses as well as for permanent use.



By positioning Sliding Adapter 300 mm under socket reference point, change in the length of prosthesis as socket flexion angle changes is negligible.

You can find more information about prosthetic alignment in the following documents available for order:

646F219=D Poster, Alignment Recommendations per MOBIS for TF Modular Lower Limb Prostheses

647H534 Instructions for use, PROS.A. Assembly 743A200 alignment device

OK1896 Information for technicians, L.A.S.A.R. Posture

## 4R173 Pyramid receiver

The 4R173 Pyramid Receiver is available as an accessory. This component allows a connection component with pyramid adapter to be joined to the unit.



≤ 150 kg



647G644

<b>Article number</b>	<b>4R173</b>
<b>Material</b>	Stainless steel
<b>System height</b>	35 mm
<b>Weight</b>	170 g
<b>Adjustment range</b>	4°
<b>Max. body weight</b>	150 kg

## Single components as replacement parts

Article number	4R44=L	4R50	4R101	4R118	4R170=1	4R170=2
<b>4Y212</b> Clamping nut			▲			
<b>501S41=M6x12</b> Countersunk head screw (allen screw)				▲	▲	▲
<b>501S44=M6x25</b> Oval flange head screw (allen screw)			▲			
<b>501T61=M6x12</b> Cap screw				▲		
<b>501T61=M6x25</b> Cap screw				▲		
<b>501T61=M6x30</b> Cap screw				▲		
<b>501Z2=M6x20</b> Cap screw		▲				
<b>506G3=M4x12</b> Set screw			▲			
<b>506G3=M8x12-V</b> Grub screw	▲					

▲ minimum order quantity required

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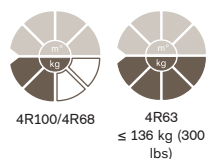
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647H86 (4R100,4R63)  
647H10 (4R68)

### Lamination anchor with pyramid adapter

The 4R100, 4R68 and 4R63 Lamination Anchors are intended for lamination in the transtibial socket.



Article number	4R100	4R68	4R63
Material	Titanium	Aluminium	Stainless steel
System height	-8 mm	-7 mm	
Weight	55 g	70 g	95 g
Max. body weight	100 kg		136 kg

- 4R100, 4R63: 4X3 and 4X52 Lamination Dummies have to be used during laminating. They are enclosed with the lamination anchor.
- 4R68: The 4X3 Lamination Dummy have to be used for laminating. It is enclosed with the lamination anchor.



647H247

### Lamination anchor with pyramid adapter

Article number	4R42
Material	Stainless steel
System height	-5 mm
Weight	130 g
Max. body weight	150 kg

- The 4X3 Lamination Dummy should be used for laminating. It is enclosed with the lamination anchor.



647H247

### 4R43 Lamination anchor with threaded connector

The 4R43 Lamination Anchor can be combined e.g. with the 4R44=L Pyramid Receiver with Threaded Connector as a length-adjustable socket connection, or with the 4R57=ST Rotation Adapter. In the latter case, the 4X46=ST Lamination Dummy has to be used for laminating. It must be ordered separately (see accessories Page 156).



Article number	4R43
Material	Stainless steel
System height	8 mm
Weight	95 g
Max. body weight	125 kg

- Use the 4X46 Lamination Dummy when laminating. It must be ordered separately (see accessories Page 156).

### 4R89 Lamination anchor with pyramid adapter, rotatable



<b>Article number</b>	<b>4R89</b>
<b>Material</b>	Stainless steel
<b>System height</b>	-3 mm
<b>Weight</b>	180 g
<b>Max. body weight</b>	125 kg

• Use the 4X46 Lamination Dummy when laminating. It must be ordered separately (see accessories Page 142).



647H247



### 4R41 Lamination anchor with pyramid receiver, rotatable



<b>Article number</b>	<b>4R41</b>
<b>Material</b>	Stainless steel
<b>System height</b>	39 mm
<b>Weight</b>	170 g
<b>Max. body weight</b>	125 kg

• Use the 4X46 Lamination Dummy when laminating. It must be ordered separately (see accessories Page 142).



647H247



### 4R111=N Lamination anchor with threaded connector

The 4R111=N Lamination Anchor can be combined e.g. with the 4R44=L Pyramid Receiver with Threaded Connector as a length-adjustable socket connection, or with the 4R57=ST Rotation Adapter. In the latter case, the 4X46=ST Lamination Dummy has to be used for laminating. It must be ordered separately (see accessories Page 156).



≤ 150 kg

<b>Article number</b>	<b>4R111=N</b>
<b>Material</b>	Stainless steel
<b>System height</b>	13 mm
<b>Weight</b>	80 g
<b>Max. body weight</b>	150 kg

• Use the 4X46 Lamination Dummy when laminating. It must be ordered separately (see accessories Page 142).



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### 4R116 Lamination anchor with pyramid adapter, rotatable



≤ 150 kg

<b>Article number</b>	<b>4R116</b>
<b>Material</b>	Stainless steel
<b>System height</b>	2 mm
<b>Weight</b>	165 g
<b>Max. body weight</b>	150 kg

Use the 4X46 Lamination Dummy when laminating. It must be ordered separately (see accessories Page 142).



647G123



### 4R111 Lamination anchor with pyramid receiver, rotatable



≤ 150 kg

<b>Article number</b>	<b>4R111</b>
<b>Material</b>	Stainless steel
<b>System height</b>	44 mm
<b>Weight</b>	155 g
<b>Max. body weight</b>	150 kg

Use the 4X46 Lamination Dummy when laminating. It must be ordered separately (see accessories Page 142).



### 4X46 Lamination dummy

for 4R41, 4R89, 4R111, 4R116, 4R119, 4R43, 4R111=N as well as 4WR95=1 and 4WR95=2 Lamination Anchor

<b>Article number</b>	<b>4X46</b>
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## 4R119 Lamination anchor with pyramid receiver and angled arm, rotatable

The 4R119 Lamination Anchor features an angled anchor arm, which is to be positioned posteriorly. This allows the adapter to be positioned easily for optimised prosthesis alignment (note the socket position and/or the flexion angle).



≤ 150 kg

<b>Article number</b>	<b>4R119</b>
<b>Material</b>	Stainless steel
<b>System height</b>	44 mm
<b>Weight</b>	165 g
<b>Max. body weight</b>	150 kg

- Only suitable for use in transfemoral prostheses.

Use the 4X46 Lamination Dummy when laminating. It must be ordered separately. See Page 142



647G476

## 4R87 is available as an individual component of the 4R59 and 4R116

### 4R87 Pyramid adapter with threaded connector

<b>Article number</b>	<b>4R87</b>
<b>Material</b>	Stainless steel
<b>System height</b>	-11 mm
<b>Weight</b>	85 g



## 4R44=N is available as an individual component of the 4R41, 4R111 and 4R119

### 4R44=N Pyramid receiver with threaded connector

<b>Article number</b>	<b>4R44=N</b>
<b>Material</b>	Stainless steel
<b>System height</b>	31 mm
<b>Weight</b>	75 g



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## Single components as replacement parts

Article number	4R41	4R43	4R89	4R111	4R111=N	4R116	4R119
<b>4R43</b> Lamination anchor with threaded connector	■		■				
<b>4R44=N</b> Pyramid receiver with threaded connector	■			■			■
<b>4R87</b> Pyramid adapter with threaded connector			■			■	
<b>4R111=N</b> Lamination anchor with threaded connector				■		■	
<b>501Z2=M5x22</b> Cap screw							▲
<b>501Z2=M5x30</b> Cap screw	▲	▲	▲				
<b>501Z2=M6x22</b> Cap screw				▲	▲	▲	
<b>506G3=M8x12-V</b> Grub screw	▲			▲		▲	▲
<b>507U16=5.2-Niro</b> Rounded washer				▲	▲	▲	▲

▲ minimum order quantity required      ■ can be ordered individually

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## Socket adapter with pyramid adapter



Article number	4R54	4R74	4R23
Material	Titanium	Aluminium	Stainless steel
System height	-11 mm	-7 mm	-11 mm
Weight	50 g	55 g	85 g
Max. body weight	150 kg	100 kg	125 kg



647H31

## 4R77 Socket adapter with pyramid adapter, rotatable

The pyramid adapter of the 4R77 Socket Adapter has a 9.5 mm bore hole. With corresponding positioning of the adapter, the bore hole permits a combination with the 5R2 Lamination Disc and the 6A30=10 or 6A30=20 Shuttle Lock.



≤ 150 kg

Article number	4R77
Material	Titanium
System height	-9 mm
Weight	70 g
Max. body weight	150 kg



647H31



## 4R73 Socket adapter with pyramid adapter, eccentric

Thanks to the eccentric arrangement of the pyramid adapter, the 4R73=A and 4R73=D Adapters permit sliding adjustment of the prosthetic socket in various planes.

The 4R73=A permits sliding adjustment in the sagittal and frontal plane. The arrangement of its pyramid adapter is axial-eccentric.

The 4R73=D permits a 45° combination in the sagittal and frontal plane. The arrangement of its pyramid adapter is diagonal-eccentric.



≤ 150 kg

Article number	4R73=A	4R73=D
Material	Titanium	
System height	-11 mm	
Weight	60 g	
Pyramid adapter alignment	Axially offset by 7 mm	Diagonally offset by 5 mm
Max. body weight	150 kg	



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4R73=D

4R73=A

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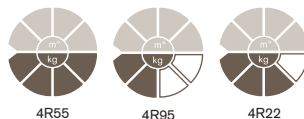
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647G382

### Socket adapter with pyramid receiver



4R55  
≤ 150 kg (330 lbs)

4R95

4R22

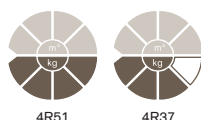
Article number	4R55	4R95	4R22
Material	Titanium	Aluminium	Stainless steel
System height	33 mm		
Weight	50 g		85 g
Max. body weight	150 kg	100 kg	125 kg



647G382



### Socket adapter with pyramid receiver, rotatable



4R51  
≤ 150 kg (330 lbs)

4R37

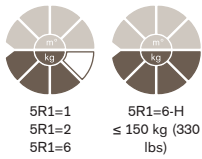
Article number	4R51	4R37
Material	Titanium	Stainless steel
System height	36 mm	
Weight	80 g	140 g
Max. body weight	150 kg	125 kg

### Single components as replacement parts


Article number	4R22	4R37	4R51	4R55	4R77	4R95
4Y19 Pressure plate		▲	▲		▲	
506G3=M8x12-V Grub screw	▲	▲	▲	▲		
506G3=M8x14 Set screw						▲

▲ minimum order quantity required

## 5R1 Socket attachment block for lamination technique



Article number	5R1=1	5R1=2	5R1=6	5R1=6-H
<b>Wood connection diameter</b>	147 mm	120 mm		
<b>Material</b>	Wood			
<b>System height</b>			30 mm	33 mm
<b>Min. system height</b>	46 mm			
<b>Max. system height</b>	64 mm			
<b>Weight</b>	445 g	355 g	155 g	240 g
<b>Max. body weight</b>	125 kg			150 kg

 647G92  
647G183 (5R1=6-H)



- ▶ The 4X6 Lamination Dummy has to be used for laminating. It is included with the socket attachment blocks.

## 5R2 Lamination disc

The 5R2 Lamination Disc can be combined with various Ottobock socket adapters as well as the 6A30=20 Shuttle Lock system.



Article number	5R2
<b>Material</b>	Aluminium
<b>System height</b>	9 mm
<b>Weight</b>	70 g
<b>Max. body weight</b>	150 kg

 647G179



- ▶ The 4X86 Lamination Dummy has to be used for laminating. It is enclosed with the lamination disc.

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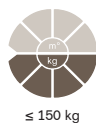
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### 5R2=C Socket attachment

The 5R2=C Socket Attachment is made of carbon and therefore particularly well suited for use in innovative carbon sockets. Since the carbon socket material and the carbon socket attachment have the same expansion properties, an excellent form and material fit between the socket and the socket attachment is achieved when the socket is fabricated.



<b>Article number</b>	<b>5R2=C</b>
<b>Material</b>	Carbon
<b>System height</b>	10 mm
<b>Weight</b>	50 g
<b>Max. body weight</b>	150 kg

- 616B10=5 Carbon Fibre Woven Prepreg is particularly well suited for the fabrication of a thin-walled, high-strength and lightweight socket. See the catalogues 646K1 "Materials" and 646K10 "Consulting, Planning and Equipping"
- Information on the SiOXC TF socket system from Ottobock Service Fabrication, which is also made of carbon, is available in the catalogue 646K71 "Service Fabrication" and the 646D437 Technical Information.



647H4

### 5R6 Socket attachment for thermoplastic socket

The 5R6 Socket Attachment is available for three residual limb circumferences. It serves to provide a detachable connection for thermoplastic sockets with the modular system.

6B3 Halmstad Interim Transtibial Prosthesis Kit:  
the 5R6 Socket Attachment Block and the distal modular component have to be ordered separately for finishing the prosthesis.



Article number	5R6=1	5R6=2	5R6=3
<b>Material</b>	Aluminium		
<b>for</b>	6B3=1	6B3=2	
<b>Residual limb end circumference</b>	~400 mm	~320 mm	~250 mm
<b>System height</b>	4 mm		
<b>Weight</b>	160 g	135 g	115 g
<b>Max. body weight</b>	100 kg		

- The 5Y14 Tool is required to create the proper distal shape. It must be ordered separately (see accessories Page 149).

## Accessories for 5R6

### 5Y14 Tool

This tool facilitates creating the proper distal shape.

Article number	5Y14=1	5Y14=2	5Y14=3
for	5R6=1	5R6=2	5R6=3



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### 4R108 / 4R109 Socket attachment with tube connection/pyramid adapter

The 4R108/4R109 Socket Attachments serve to create an adjustable connection between the transtibial socket and distal portion of the prosthesis. Adjustment is performed during trial fitting. Finally the adapter is fixed against twisting to secure it. After loosening the central countersunk head screw, the lower part of the adapter can be shifted in relation to the lamination or vacuum forming shell integrated in the socket by 8 mm medially and laterally in the frontal plane and by 6 mm dorsally and ventrally in the sagittal plane.

647H230



Article number	4R108=3L	4R108=3T	4R109=3L	4R109=3T
<b>Diameter</b>	30 mm		-	
<b>Material</b>	Aluminium			
<b>System height</b>	16 mm	17 mm	1 mm	2 mm
<b>Weight</b>	280 g	255 g	280 g	265 g
<b>Displacement in frontal plane</b>	+/- 8 mm			
<b>Displacement in the sagittal plane</b>	+/- 6 mm			
<b>To be used for</b>	Laminated socket	Thermoplastic socket	Laminated socket	Thermoplastic socket
<b>Max. body weight</b>	100 kg			

- ▶ The 4X100 Lamination Dummy has to be used for laminating or vacuum forming. It is included with the socket attachments. For the fabrication of the thermoplastic socket, the lamination dummy must be mounted on the vacuum forming shell. The lamination dummy will be removed after vacuum forming.



## Single components as replacement parts

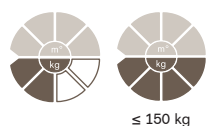
Article number/Reference number	4R108 / 4R109 / 5R1 / 5R6	4R109	5R1	5R2	5R6
<b>501S41=M6x12</b> Countersunk head screw (allen screw)				▲	
<b>501S41=M6x16</b> Countersunk head screw (allen screw)				▲	
<b>501S41=M6x25</b> Countersunk head screw (allen screw)			▲		
<b>501S41=M6x30</b> Countersunk head screw (allen screw)					▲
<b>501S41=M10x20</b> Countersunk head screw (allen screw)	▲				
<b>501S74=3.5x9.5</b> Sheet metal screw				▲	
<b>501Z2=M6x22</b> Cap screw	▲				
<b>501Z10</b> Oval countersunk head screw		▲			
<b>506S1=5x16</b> Clamping sleeve	▲	▲			

▲ minimum order quantity required

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## Modular transtibial sets

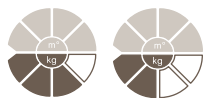
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Article number	2R120	2R121	2R102
<b>Diameter</b>	30 mm		34 mm
<b>Material</b>	Titanium		
<b>Consisting of</b>	4R52 Tube clamp adapter, 2R37 Tube adapter	4R100 Lamination anchor with pyramid adapter, 4R52 Tube clamp adapter, 2R37 Tube adapter	4R82 Tube clamp adapter, 2R57 Tube adapter
<b>Max. body weight</b>	100 kg		150 kg

► Technical data and information for the individual components of the set are found under the respective components.

## Modular transtibial and transfemoral sets

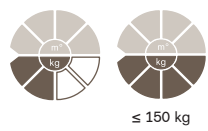


Article number	2R105	2R122	4R201
<b>Diameter</b>	30 mm		
<b>Material</b>	Aluminium		Aluminium, Stainless steel
<b>Consisting of</b>	4R69 Tube clamp adapter, 2R50 Tube adapter	4R68 Lamination anchor with pyramid adapter, 4R69 Tube clamp adapter, 2R50 Tube adapter	4R37 Socket adapter with pyramid receiver, rotatable, 3R40 Modular lightweight single axis knee joint with lock, 2R49 Tube adapter
<b>Max. body weight</b>	125 kg	100 kg	

► Technical data and information for the individual components of the set are found under the respective components.

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## Modular transtibial sets



Article number	2R123	2R124	2R125=M8	2R125=M10	2R103
<b>Diameter</b>	30 mm				34 mm
<b>Material</b>	Stainless steel				
<b>Consisting of</b>	4R21 Tube clamp adapter, 2R2 Tube adapter	4R63 Lamination anchor with pyramid adapter, 4R21 Tube clamp adapter, 2R2 Tube adapter	4R63 Lamination anchor with pyramid adapter, 4R21 Tube clamp adapter, 2R2 Tube adapter, 2R8=M8 SACH foot adapter with screw connection	4R63 Lamination anchor with pyramid adapter, 4R21 Tube clamp adapter, 2R2 Tube adapter, 2R8=M10 SACH* foot adapter with screw connection	4R91 Tube clamp adapter, 2R76 Tube adapter
<b>Max. body weight</b>	100 kg				150 kg

► Technical data and information for the individual components of the set are found under the respective components.

## Rotation adapter

Through incorporation of the rotation adapter above the knee joint, the lower leg may be rotated medially or laterally relative to the socket with the knee flexed.

For the amputee, this mainly translates into enhanced safety. The prosthesis can be swung to the side while driving. This minimises the risk of the prosthetic foot becoming stuck in the area of the pedals. The pedals can be operated using the other leg with no restrictions. In addition, this function allows the amputee to sit in a more comfortable and relaxed position behind the wheel, improving the focus on driving.

Furthermore, the rotation adapter means enhanced comfort for the amputee. It makes everyday activities such as putting on shoes and changing socks easier and allows the amputee to sit comfortably. The sitting position can be varied up to sitting cross-legged. The rotating mechanism is activated through pressing of the release button and is locked automatically.

There are two available versions which have the same function, but differ in terms of the proximal connection:

- Rotation adapter with pyramid adapter and pyramid receiver: the 4R57 Rotation Adapter is equipped with a proximal pyramid adapter.
- Rotation adapter with threaded connector and pyramid receiver: the 4R57=ST Rotation Adapter is equipped with a proximal thread. This allows for particularly space-saving integration of the adapter which can be screwed into the 4R111=N Lamination Anchor or the 4R43 Lamination Anchor.



 647G258



≤ 150 kg



Article number	4R57	4R57=ST
<b>Material</b>	Stainless steel	
<b>Distal connection</b>	Pyramid Receiver	
<b>Proximal connection</b>	Pyramid Adapter	Thread
<b>System height</b>	22 mm	42 mm
<b>Weight</b>	170 g	185 g
<b>Rotation</b>	max. 360° (without foam cover)	
<b>Max. body weight</b>	150 kg	

- In order for the 4R57=ST Rotation Adapter to be able to be screwed properly into the lamination anchor, the 4X46=ST Lamination Dummy must be used for laminating. It must be ordered separately (see accessories Page 156).
- The 4R57 cannot be combined with the 2R49, 2R50 or 4R95.

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## Accessories



### 4X46=ST Lamination dummy

<b>Article number</b>	<b>4X46=ST</b>
<b>for</b>	4R57=ST Rotation Adapter

## Single components as replacement parts

Article number	4R57	4R57=ST
<b>4X69=1</b> Release button cover, grey	■	■
<b>4X69=7</b> Release button cover, black	■	■
<b>506G3=M8x12</b> Grub screw	▲	▲

▲ minimum order quantity required      ■ can be ordered individually



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## Torsion adapter

Torsion adapters offer significant advantages for amputees, regardless of the amputation level. The socket holds the residual limb in place and therefore prevents rotation and torsion movements. Ottobock torsion adapters can compensate for this lack of mobility. This pays off during activities in confined spaces at work or home (e.g. the kitchen), where more mobility translates into enhanced safety for the amputee while performing his/her activities. For leisure activities, the torsion adapters also provide a solid basis for more mobility and comfort, for example while playing golf or tennis. Torsion adapters also help minimise shear forces in the area of the residual limb, which can otherwise result in painful shifting of soft tissues under stress. The torsion adapters serve to harmonise the gait pattern and improve wearer comfort, thereby reducing compensating movements and helping to prevent subsequent problems.



647G23

### 4R85 Torsion adapter

Torsion adapter with pyramid receiver and Ø 30 mm tube connection.



<b>Article number</b>	<b>4R85</b>
<b>Mobility grade</b>	1 - 4
<b>Diameter</b>	30 mm
<b>Material</b>	Stainless steel
<b>System height</b>	68 mm
<b>Weight</b>	350 g
<b>Rotation angle limitation by stops</b>	+/- 20°
<b>Stop strength</b>	~ 100 Nm
<b>Torsion moment of spring elasticity</b>	7 Nm to max. 19 Nm
<b>Max. body weight</b>	100 kg

- ⓘ When the 4R85 is used with the 3R15 and 3R49 Knee Joint with Friction Brake, the longer extension assist pulley included with the torsion adapter must be used.



## 4R86 Torsion adapter

Torsion adapter with pyramid receiver and Ø 34 mm tube connection.



<b>Article number</b>	<b>4R86</b>
<b>Mobility grade</b>	1 - 4
<b>Diameter</b>	34 mm
<b>Material</b>	Titanium
<b>System height</b>	68 mm
<b>Weight</b>	340 g
<b>Rotation angle limitation by stops</b>	+/- 20°
<b>Stop strength</b>	~ 100 Nm
<b>Torsion moment of spring elasticity</b>	7 Nm to max. 19 Nm
<b>Max. body weight</b>	110 kg



647G23

## 4R40 Torsion adapter

The adapter has a proximal screw plate and distal pyramid receiver.



<b>Article number</b>	<b>4R40</b>
<b>Mobility grade</b>	1 - 4
<b>Material</b>	Stainless steel
<b>System height</b>	58 mm
<b>Weight</b>	340 g
<b>Rotation angle limitation by stops</b>	+/- 20°
<b>Stop strength</b>	~ 100 Nm
<b>Torsion moment of spring elasticity</b>	7 Nm to max. 19 Nm
<b>Max. body weight</b>	125 kg



647G23

## 4R39 Torsion adapter

Torsion adapter with Ø 30 mm tube and pyramid receiver.



<b>Article number</b>	<b>4R39</b>
<b>Mobility grade</b>	1 - 4
<b>Diameter</b>	30 mm
<b>Material</b>	Stainless steel
<b>Min. system height</b>	113 mm
<b>Max. system height</b>	476 mm
<b>Weight</b>	500 g
<b>Rotation angle limitation by stops</b>	+/- 20°
<b>Stop strength</b>	~ 100 Nm
<b>Torsion moment of spring elasticity</b>	7 Nm to max. 19 Nm
<b>Max. body weight</b>	125 kg



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## Single components as replacement parts

Article number	4R39	4R40	4R85	4R86
<b>4D4</b> Single component pack			●	●
<b>506G3=M8x12</b> Grub screw	▲	▲	▲	▲

▲ minimum order quantity required      ● Single Component Pack



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646A196=D 647H441

## DeltaTwist

With the loss of the foot and part of the leg, the amputee has lost important proprioceptors and muscle groups which, through their interplay, ensure a harmonious gait pattern under physiological conditions. The DeltaTwist shock absorber, which also features a torsion function, is able to compensate for this loss to a certain degree. Its shock absorbing function and torsion function provide more safety, mobility and comfort. With its integration into the prosthesis, a more symmetrical gait pattern can be achieved. Instabilities can be eliminated and compensating movements are reduced. It relieves the locomotor system and residual limb.

Both shock absorption and the torsion function can be adjusted individually and independently by means of various elastomer components of different durometers. This allows the specific movement pattern of every amputee as well as biomechanical insights to be taken into account.

When needed, interior or exterior torsion can also be suppressed using the rotation locking segment (see accessories).

The DeltaTwist can be used for transfemoral as well as transtibial prostheses.



Article number	4R120	4R121=30	4R121=34
<b>Mobility grade</b>	2 - 4		
<b>Outside Ø</b>	47 mm		
<b>Material</b>	Aluminium		
<b>Distal connection</b>	Pyramid Receiver		
<b>Proximal connection</b>	Tube clamp Ø 30 mm	Tube Ø 30 mm	Tube Ø 34 mm
<b>System height</b>	117 mm		
<b>Min. system height</b>		117 mm	174 mm
<b>Max. system height</b>		553 mm	578 mm
<b>Weight</b>	~ 340 g	~ 530* g	~ 585* g
<b>max. torsion inner/outer</b>	± 20°		
<b>max. dampening</b>	~ 8 mm		
<b>Max. body weight</b>	100 kg		125 kg

\* After maximum shortening, the weight of the 4R121=30 is 325 g and the 4R121=34 is 355 g.

### Indications:

- Unnatural, asymmetrical gait pattern in terms of the rotation in transversal plane (around the body's longitudinal axis)
- Overloading of the residual limb and locomotor system due to impact load and shear forces
- Significant sensibility against impact loads such as formation of oedema on the residual limb
- Pronounced dynamic gait patterns
- Frequent torsion stress (rotational movements) at work and during leisure activities

## Socket wrench consisting of:

Article number	4R121=30	4R121=34
<b>709H7</b> Socket nut 1/2" hexagon SW11	■	■
<b>709H8</b> Socket nut extension 1/ 2", length 575 mm	■	■
<b>709H9</b> T-handle 1/2"	■	■

■ can be ordered individually

## Single components as replacement parts

Article number	4R120	4R121=30	4R121=34
<b>633F30</b> Special grease (tube)	■	■	■
<b>709H4</b> Combination wrench	■	■	■
<b>709H5=1</b> Elastomer plate, hardness: soft	■	■	■
<b>709H5=2</b> Elastomer plate, hardness: medium	■	■	■
<b>709H5=3</b> Elastomer plate, hardness: hard	■	■	■
<b>709H6=1</b> Elastomer bar, hardness: soft	■	■	■
<b>709H6=2</b> Elastomer bar, hardness: medium	■	■	■
<b>709H6=3</b> Elastomer bar, hardness: hard	■	■	■

■ can be ordered individually

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# Modular knee joints

The function of modular knee joints is of special importance for the prosthetic fitting. During the stance phase, knee stability is the most important aspect; the joint must not buckle at heel strike. During the swing phase, the motion of the shin section of the prosthesis must be controlled.

For mechanical knee components, the technical possibilities to achieve stance phase control range from a locked joint, especially for geriatric fittings, to weight-dependent friction control or a polycentric design – also with elastic stance phase flexion, e.g. in the 3R60. Hydraulic stance phase control is made possible with components such as the 3R80.

With electronic knee joints in the C-Leg product line, the hydraulics to secure the stance phase are controlled by a microprocessor.

Swing phase control is realised, for example, by means of flexible extension assists that are independent of the walking speed. On the other hand, the pneumatic and hydraulic damping elements create speed-dependent motion resistance and adjust themselves to the gait rhythm. Based on measured data, the C-Leg adapts to the current walking situation in real time.

The selection of a suitable mechanically or electronically controlled knee joint depends on a variety of factors such as the amputation level, condition of the residual limb, overall physical condition, weight and environment surrounding the patient. Older prosthesis wearers with reduced mobility require a high degree of knee stability. Here, easy handling and wearer comfort are more important than dynamic aspects.

The knee joint and prosthetic foot must be regarded as a functional unit, so that these components should be coordinated.

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646D339

647G340=1

## 3R41 Ottobock modular monocentric locking knee joint

With the 3R41, the latest in synthetic material technology is conquering lower limb prosthetics. The next generation of the traditional locking knee joint offers additional advantages, is moisture-resistant, lightweight and especially resistant to wear. Transfemoral amputees with very low activity levels and the highest need for safety benefit from the easy handling of the innovative release mechanism in particular; it can even be triggered under partial load.

The lower joint section is equipped with a Ø 30 mm tube clamp.



<b>Article number</b>	<b>3R41</b>
<b>Mobility grade</b>	1
<b>Material</b>	Fibre-reinforced polyamide
<b>Distal connection</b>	Tube clamp Ø 30 mm
<b>Proximal connection</b>	Pyramid adapter
<b>Knee flexion angle</b>	150°
<b>System height</b>	24 mm
<b>proximal system height to alignment reference point</b>	12 mm
<b>distal system height to alignment reference point</b>	12 mm
<b>Weight</b>	385 g
<b>Max. body weight</b>	125 kg

- Use the 3S107 Foam Cover for the 3R41.
- Accessory the pages 169, 174, 186

### Functions and Benefits

The innovative locking mechanism automatically secures the joint at full extension and the user can hear and feel the lock latch engage. The joint can be unlocked using the pull cable or by pressing the lock latch (patella). In developing this knee joint, special attention was paid to the balanced relationship between the unlocking force and the load on the prosthesis in order to make handling even safer.

Through the use of plastics, the joint is particularly lightweight, wear-resistant and easy to maintain. It is also resistant against humidity and splashed water, offering the user greater flexibility.

Its modern design has functional advantages as well. The front plastic flap prevents pinching the fingers in the joint gap and also protects the cosmetic foam cover.





## 3R40 Modular lightweight single axis knee joint with lock

The upper joint section with pyramid adapter and lower joint section with tube clamp are connected through an axis. The adjustable manual lock in the lower joint section secures the joint in the extension position. The lock is released using the lock cable.



 647G82

<b>Article number</b>	<b>3R40</b>
<b>Mobility grade</b>	1
<b>Material</b>	Aluminium
<b>Distal connection</b>	Tube clamp Ø 30 mm
<b>Proximal connection</b>	Pyramid Adapter
<b>Knee flexion angle</b>	155°
<b>System height</b>	23 mm
<b>proximal system height to alignment reference point</b>	1 mm
<b>distal system height to alignment reference point</b>	22 mm
<b>Weight</b>	290 g
<b>Max. body weight</b>	100 kg

- Use the 3R24 or 3S124 Foam Cover for the 3R40. Fabrication of a customised cosmetic foam cover is possible.  
See Page 275

Accessory the pages 169, 174, 186

## Single components for 3R40 as spare parts

### 4D16 Single component pack

<b>Article number</b>	<b>4D16</b>
<b>for</b>	3R40
<b>Consisting of</b>	<ul style="list-style-type: none"> <li>1 plastic cap</li> <li>2 set screws</li> <li>1 lock bale with cable guide</li> <li>5 pcs. perlon cable</li> <li>1 threaded fitting, short</li> <li>1 cable clamp</li> <li>1 plastic ring</li> <li>2 stops</li> <li>1 pad button with thread</li> <li>1 lamination plate with bore hole</li> <li>1 lock slide</li> </ul>

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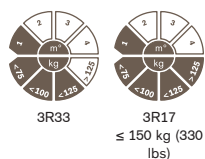
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647G34

## Modular single axis knee joint, with lock and extension assist

The upper and lower joint sections are connected through the knee axis by bushings and ball bearings. The adjustable lock secures the joint in extension. The lock is released using the lock cable. Locking occurs automatically at full extension with assistance from the extension assist spring.



Article number	3R33	3R17
<b>Mobility grade</b>	1	
<b>Material</b>	Titanium	Stainless steel
<b>Distal connection</b>	Pyramid Adapter	
<b>Proximal connection</b>	Pyramid Adapter	
<b>Knee flexion angle</b>	120°	
<b>System height</b>	43 mm	
<b>proximal system height to alignment reference point</b>	6 mm	
<b>distal system height to alignment reference point</b>	37 mm	
<b>Weight</b>	530 g	695 g
<b>Max. body weight</b>	125 kg	150 kg

- Use the 3R24 or 3S124 Foam Cover for the 3R33 and 3R17. Fabrication of a customised cosmetic foam cover is possible.  
See Page 275

## Single components for 3R33 and 3R17 as spare parts

### 4D10 Single component pack

Article number	4D10
<b>for</b>	3R33, 3R17
<b>Consisting of</b>	1 plastic cap 2 bushings 1 compression spring 1 set screw 1 safety plate 1 oval head countersunk screw 1 rubber bumper 2 ball thrust bearings 2 compression springs 2 spring guide pins 2 set screws 1 spring guide housing 1 tab guide pin

## 4F18=N lock + accessories as spare parts

### 4D11 Single component pack

<b>Article number</b>	<b>4D11</b>
<b>for</b>	4F18=N
<b>Consisting of</b>	<ul style="list-style-type: none"> <li>1 lock slide</li> <li>1 threaded fitting, short</li> <li>1 cable clamp</li> <li>5 pcs. perlon cable</li> <li>2 pad buttons and thread</li> <li>1 lamination plate with bore hole</li> </ul>

## Accessories for 3R41, 3R40, 3R33, 3R17 and 3R93

- Order separately as necessary.

### 4F34 Locking unit

For use both left and right, adjustable for push and pull. Can be used instead of the factory-installed 4F18=N Lock Slide.

<b>Article number</b>	<b>4F34</b>
<b>Consisting of</b>	<ul style="list-style-type: none"> <li>1 housing</li> <li>1 grip</li> <li>1 cover</li> <li>1 oval head screw</li> <li>1 clamping bushing</li> <li>2 raised head wood screws</li> <li>1 Allen wrench</li> </ul>



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647H84

## Modular moncentric knee joint with friction brake, with extension assist and protective sleeve

The swing block is connected to the upper joint section through the swing axis and with the lower joint section through the knee axis and acts as a load-dependent brake. This together with proper knee alignment secures the stance phase. To control the swing phase, the axis friction and the spring force of the extension assist are adjustable.



Article number	3R49	3R15
<b>Mobility grade</b>	1 + 2	
<b>Material</b>	Titanium	Stainless steel
<b>Distal connection</b>	Pyramid Adapter	
<b>Proximal connection</b>	Pyramid Adapter	
<b>Knee flexion angle</b>	150°	
<b>System height</b>	9 mm	
<b>proximal system height to alignment reference point</b>	8 mm	
<b>distal system height to alignment reference point</b>	1 mm	
<b>Weight</b>	360 g	490 g
<b>Max. body weight</b>	100 kg	

- Use the 3R6 or 3S106 Foam Cover for the 3R49 and 3R15. Fabrication of a customised cosmetic foam cover is possible. See Page 275

## Single components for 3R49 and 3R15 as spare parts



### 21Y70=N Protective sleeve

External sleeve made of injection-moulded granulate to protect the knee joint, extension assist unit and cosmetic foam cover or clothing.

Article number	21Y70=N
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### 4D1 Single component pack

Article number	4D1
<b>Consisting of</b>	1 brake bushing 1 stop 1 bumper 2 bearing washers (large) 2 bearing washers (small) 2 lock rings 2 stops 1 safety device for bushing 1 axis screw 8 play adjustment washers

## Ottobock habermann modular polycentric knee joint with internal extension assist



Article number	3R36	3R20
Mobility grade	1 + 2	
Material	Titanium	Stainless steel
Distal connection	Pyramid Adapter	
Proximal connection	Pyramid Adapter	
Knee flexion angle	110°	
System height	41 mm	
proximal system height to alignment reference point	- 3 mm	
distal system height to alignment reference point	44 mm	
Weight	445 g	820 g
Max. body weight	100 kg	



647G72

- Use the 3R24 or 3S124 foam cover for the 3R36 and 3R20. Fabrication of a customised cosmetic foam cover is possible. See Page 275

## Single components for 3R36 and 3R20 as spare parts

### 4D13 Single component pack

Article number	4D13
Consisting of	1 plastic cap 1 cap screw 1 knee stop, complete 1 extension bumper 1 pin for extension assist 1 extension assist spring 1 adjustment screw 1 ball 2 lock nuts 2 axis pins 4 bearing washers 4 rounded washers

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646D527

647G525

## 3R93 Modular friction brake knee joint with lock

### The modern therapy knee joint

The 3R93 is a monocentric knee joint with a load-dependent brake mechanism and an optional locking function. An integrated, adjustable extension assist spring controls the swing phase.



<b>Article number</b>	<b>3R93-1</b>
<b>Mobility grade</b>	1 + 2
<b>Material</b>	Aluminium
<b>Distal connection</b>	Tube clamp, 34 mm Ø
<b>Proximal connection</b>	Pyramid Adapter
<b>Knee flexion angle</b>	130°
<b>System height</b>	82 mm
<b>proximal system height to alignment reference point</b>	8 mm
<b>distal system height to alignment reference point</b>	74 mm
<b>Weight</b>	760 g
<b>Max. body weight</b>	125 kg

### Scope of delivery

- 710H10=2X3
- 4F18=N Lock slide
- 4G650

- Use the 3S107 or 3S106 Foam Cover for the 3R93-1. Fabrication of a customised cosmetic foam cover is possible.



The 3R93 effectively supports the therapy process following the amputation. This makes it the right knee joint from the first standing and walking exercises with the interim prosthesis all the way to the definitive fitting. Thanks to its design, the 3R93-1 can be used as a locked knee joint with manual lock release and as a knee joint with friction brake once the prosthesis wearer's mobility has increased.

When the locking function is activated, it secures the joint in the extended position. The user pulls on a cable to release the joint so it can bend for sitting.

The locking function can also be permanently deactivated by the prosthetist.

When the locking function is permanently deactivated, knee stability is achieved through the brake mechanism that blocks the joint in the flexion direction under load. The brake activates when load is applied to the heel and stabilises the prosthesis during the entire stance phase. The brake also offers the desired security when stepping down with a slightly flexed knee joint. The braking action can be adjusted easily and reproducibly (Fig. 1).

To initiate the swing phase, the user relieves the load on the prosthesis which deactivates the brake. The integrated extension assist spring (Fig. 2), which can be optimally adjusted from the outside, controls the pendulum motion of the prosthetic lower leg.





**Practical recommendation:**

The 3R93 Modular Friction Brake Knee Joint with Lock is not suitable for patients with:

- Hip disarticulation
- Hemipelvectomy
- Bilateral amputation

## Accessories for 3R93

• Order separately as necessary.

### 2R77 Tube adapter

The tube adapters are available in 2 different lengths.



≤ 150 kg

<b>Article number</b>	<b>2R77</b>
<b>Diameter</b>	34 mm
<b>Material</b>	Stainless steel
<b>Min. system height</b>	77 mm
<b>Max. system height</b>	472 mm
<b>Weight</b>	370 g
<b>Max. body weight</b>	150 kg



647G180=1

### 2R58 Tube adapter

The tube adapters are available in 2 different lengths.



≤ 150 kg

<b>Article number</b>	<b>2R58</b>
<b>Diameter</b>	34 mm
<b>Material</b>	Titanium
<b>Min. system height</b>	77 mm
<b>Max. system height</b>	472 mm
<b>Weight</b>	330 g
<b>Max. body weight</b>	150 kg



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### 4F34 Locking unit

For use both left and right, adjustable for push and pull. Can be used instead of the factory-installed 4F18=N Lock Slide.

<b>Article number</b>	<b>4F34</b>
<b>Consisting of</b>	1 housing 1 grip 1 cover 1 oval head screw 1 clamping bushing 2 raised head wood screws 1 Allen wrench



### 4D29 Single component pack for sealing sleeve

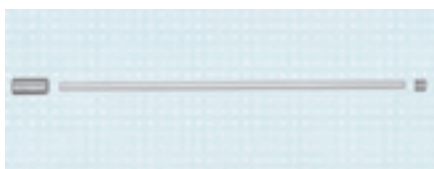
<b>Article number</b>	<b>4D29</b>
<b>Consisting of</b>	Isopropyl alcohol 1 leg spring   left   right 4 safety caps 1 sealing sleeve 1 felt strip

## Single components for 3R93 as spare parts



### 710H10=2X3 Adjustment wrench

<b>Article number</b>	<b>710H10=2X3</b>
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### 4G650 Pull cable, complete

<b>Article number</b>	<b>4G650</b>
<b>Consisting of</b>	1 perlon cable 1 cable clamp 1 simplex hook 1 expansion spring 1 threaded fitting, short



### 4F18=N Lock slide

complete

<b>Article number</b>	<b>4F18=N</b>
<b>Consisting of</b>	1 lock slide (4F17=N) 1 pad button with thread 1 lamination plate with bore hole



## 3R90 Modular knee joint with friction brake, monocentric with mechanical extension assist

The innovative load-dependent brake mechanism offers targeted safety for the patient. Heel strike activates the brake and provides high stability in the stance phase. The swing phase can be controlled by means of a mechanical extension assist which, integrated in the lower section of the joint, has a progressively acting spring combination.




<b>Article number</b>	<b>3R90</b>
<b>Mobility grade</b>	1 + 2
<b>Material</b>	Aluminium
<b>Distal connection</b>	Tube Clamp
<b>Proximal connection</b>	Pyramid Adapter
<b>Knee flexion angle</b>	135°
<b>System height</b>	97 mm
<b>proximal system height to alignment reference point</b>	8 mm
<b>distal system height to alignment reference point</b>	89 mm
<b>Weight</b>	745 g
<b>Max. body weight</b>	125 kg

- Use the 3S107 Foam Cover for the 3R90 and 3R92. Fabrication of a customised cosmetic foam cover is possible. See Page 276

Two combined spring elements form the integrated mechanical extension assist of the 3R90. The interaction of the springs results in an extension assist effect dependent on the knee angle. It can be preset to one of 5 different levels by means of a ratchet unit.



 646D338

 647G113



### Practical recommendation:

When fitting users with mobility grade 1, the following applies: these knee joints with friction brake are contraindicated for unsure patients who are unable to systematically use the braking mechanism during the gait cycle i.e. to lock the knee joint at heel contact and unlock it when the forefoot is loaded.

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646D338

647G113

### 3R92 Modular knee joint with friction brake, monocentric with pneumatic swing phase control

Same brake mechanism as the 3R90. The lower joint section is formed as a pneumatic cylinder. To control the swing phase, flexion and swing phase damping of the progressively acting dual-chamber pneumatic system are individually adjustable.

Extension and flexion damping of the integrated dual-chamber pneumatics in the 3R92 can be regulated with a screwdriver in the accustomed manner.



<b>Article number</b>	<b>3R92</b>
<b>Mobility grade</b>	2 + 3
<b>Material</b>	Aluminium
<b>Distal connection</b>	Tube Clamp
<b>Proximal connection</b>	Pyramid Adapter
<b>Knee flexion angle</b>	135°
<b>System height</b>	154 mm
<b>proximal system height to alignment reference point</b>	8 mm
<b>distal system height to alignment reference point</b>	146 mm
<b>Weight</b>	895 g
<b>Max. body weight</b>	125 kg

- Use the 3R107 Foam Cover for the 3R92. Fabrication of a customised cosmetic foam cover is possible. See Page 276



#### Practical recommendation:

When fitting users with mobility grade 1, the following applies: these knee joints with friction brake are contraindicated for unsure patients who are unable to systematically use the braking mechanism during the gait cycle i.e. to lock the knee joint at heel contact and unlock it when the forefoot is loaded.

## Accessories for 3R90/3R92

• Order separately as necessary.

### 2R77 Tube adapter



≤ 150 kg

<b>Article number</b>	<b>2R77</b>
<b>Diameter</b>	34 mm
<b>Material</b>	Stainless steel
<b>Min. system height</b>	77 mm
<b>Weight</b>	370 g
<b>Max. body weight</b>	150 kg



 647G180=1

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 646D560

 647G556  
647H536

## 3R78 Polycentric knee joint with pneumatic swing phase control

The development of the 3R78 focused on a robust, dust-resistant design that is durable and resistant against environmental impacts. This new polycentric prosthetic knee joint with pneumatic swing phase control offers reliable stance phase security for users with moderate activity levels. Get to know the 3R78 and see the advantages for yourself.



<b>Reference number</b>	<b>3R78</b>
<b>Mobility grade</b>	2 + 3
<b>Material</b>	Aluminium
<b>Distal connection</b>	Tube clamp Ø30 mm
<b>Proximal connection</b>	Pyramid Adapter
<b>Knee flexion angle</b>	150°
<b>System height</b>	156 mm
<b>proximal system height to alignment reference point</b>	-7 mm
<b>distal system height to alignment reference point</b>	163 mm
<b>Weight</b>	750 g
<b>Max. body weight</b>	100 kg

- Use the 3R6 or 3S106 Foam Cover for the 3R78. Fabrication of a customised cosmetic foam cover is possible. Page 274

### Single-chamber pneumatics control the swing phase

In the swing phase, the smooth yet powerful single-chamber pneumatics – one chamber each for flexion and extension damping – do not run out of air, even at various walking speeds. Harmonious flexion and extension movements, and therefore an approximation of the physiological gait pattern, are made possible. Here the joint geometry effectively shortens the prosthesis during swing through, resulting in more ground clearance.

## 3R106 Modular polycentric knee joint with pneumatic swing phase control

The stance phase is secured due to the 4-axis joint design. Power dual-chamber pneumatics with integrated extension assist spring ensure harmonious pendulum movements of the prosthetic lower leg, even at higher walking speeds.

### Advantages of 3R106

- The upper joint section and lower joint section are connected by the anterior links and the mid-joint section to form a four-bar linkage. In the extended position, the instantaneous pivot point is located clearly above the joint and behind the load line. Therefore, the modern polycentric structure reliably stabilises the knee joint during stance phase and provides for increased ground clearance during the swing phase – thus enhancing the user's confidence in the prosthesis as a whole.
- Advantageous swing phase damping characteristics, especially easy initiation of the swing phase, harmonious extension stop for a natural gait with reduced energy consumption.
- Flexion and extension damping are individually adjustable. To reduce the force of the extension assist, the extension assist spring can simply be replaced by a weaker one that is additionally included in the delivery.
- The wide flexion angle of 170° and the light weight also provide for high comfort, e.g. when bicycling, getting into a car, kneeling or sitting.
- Suitable for all amputation levels with various proximal connection versions.

- Use the 3R107 Foam Cover for the 3R106. Fabrication of a customised cosmetic foam cover is possible. See Page 276



646D649



647G208



Article number	3R106	3R106=HD*	3R106=ST	3R106=KD
<b>Mobility grade</b>	2 + 3			
<b>Material</b>	Aluminium			
<b>Distal connection</b>	Tube Clamp Ø 30 mm			
<b>Proximal connection</b>	Pyramid Adapter	Pyramid Adapter (10° inclined)	Threaded Connector	Lamination Anchor
<b>Knee flexion angle</b>	170°			
<b>System height</b>	162 mm	164 mm	180 mm	184 mm
<b>proximal system height to alignment reference point</b>	-6 mm	-4 mm	12 mm	16 mm
<b>distal system height to alignment reference point</b>	168 mm			
<b>Weight</b>	760 g	790 g	765 g	755 g
<b>Scope of delivery</b>	All versions of the 3R106 Modular Knee Joint are supplied with a Ø 30 mm tube adapter and an additional, weaker extension assist spring.			
<b>Max. body weight</b>	100 kg			

\* Using the especially adapted version of the 3R106=HD is mandatory when fitting prosthesis wearers with hip disarticulation or hemipelvectomy; using the 4R39 Torsion Adapter is also recommended.

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## Single components for 3R106 as spare parts

### 4D3 Single component pack

<b>Article number</b>	<b>4D3</b>
<b>for</b>	3R106
<b>Consisting of</b>	1 stop 4 truss head screws 4 two-hole nuts 3 set screws, Allen head



### 3R60 Modular polycentric EBS knee joint with hydraulic swing phase control

The main objective of prosthetic fittings is to achieve the best possible replacement of various functions offered by the sound limb. At Ottobock, we strive to continuously get closer to this objective through intensive research and the development of modern knee joints.

In the field of mechanical knee components, we have taken a big step in this direction with the 3R60 EBS\* – with distinction!

Get to know the next generation of the 3R60 which has proven itself thousands of times. With improved EBS\* function for controlled knee flexion at heel strike and new, powerful swing phase control hydraulics.

Comfort and safety are ensured by the unique characteristic of the EBS elastic flexion unit, which simulates the biomechanics of the natural gait.

Available with 4 different connections.

- Use the 3R107 Foam Cover for the 3R60. Fabrication of a customised cosmetic foam cover is possible. See Page 276

646S1=24.04    647G167



Article number	3R60	3R60=HD*	3R60=ST	3R60=KD
<b>Mobility grade</b>	2 + 3			
<b>Material</b>	Aluminium			
<b>Distal connection</b>	Pyramid Adapter			
<b>Proximal connection</b>	Pyramid Adapter	Pyramid Adapter (10° inclined)	Threaded Connector	Lamination Anchor
<b>Knee flexion angle</b>	175°		125°	145°
<b>System height</b>	171 mm	174 mm	189 mm	193 mm
<b>proximal system height to alignment reference point</b>	-2 mm	1 mm	16 mm	20 mm
<b>distal system height to alignment reference point</b>	173 mm			
<b>Weight</b>	845 g	880 g	845 g	940 g
<b>Max. body weight</b>	125 kg			

\* Using the especially adapted version of the 3R60=HD is mandatory when fitting prosthesis wearers with hip disarticulation; using the 4R86 Torsion Adapter is also recommended.

## 3R60-PRO Modular EBSspro polycentric knee joint with hydraulic swing phase control

Comfort and safety are ensured by the unique characteristic of the advanced ergonomically balanced stride unit EBS<sup>PRO</sup>, which simulates the biomechanics of the natural gait. Available with 4 different connections.

- The proven design allows controlled stance phase flexion of up to 15° and thus comfortable walking with high safety even on rough terrain and on inclines of up to 10°.
- Progressive damping of stance phase flexion as well as stance phase extension provides for harmonious, natural movements under load.
- Possible for the first time: adaptation of stance phase flexion to various everyday situations.
- The EBS<sup>PRO</sup> function reduces stress on both limbs. In addition, it reduces the forces acting on the residual limb, pelvis and spine while closely approximating a sound, physiological gait pattern.
- The 5-axis design provides greater protection in high-risk situations: the wearer can always flex the joint in controlled manner without delay or prior full extension, so there is less risk of falling than with geometrically locking knee joints.
- Easy initiation of the swing phase and progressive damping for focused control of the pendulum motion of the lower leg.
- Low weight and a very large flexion angle of 175° for greater freedom of movement.
- Adjustment of prosthetic alignment using the movable pyramid adapter, e.g. to adapt to flexion contractures.
- All amputation levels can be fitted thanks to individual connectors.
- Attractive and natural cosmetic appearance.

► Use the 3R107 Foam Cover for the EBS<sup>PRO</sup>. Fabrication of a customised cosmetic foam cover is possible. See Page 276



646D303

647G381



Article number	3R60-PRO	3R60-PRO=HD*	3R60-PRO=KD	3R60-PRO=ST
<b>Mobility grade</b>	2 + 3			
<b>Material</b>	Aluminium			
<b>Distal connection</b>	Pyramid Adapter			
<b>Proximal connection</b>	Pyramid adapter (movable)	Pyramid Adapter (10° inclined)	Lamination Anchor	Threaded Connector
<b>Knee flexion angle</b>	175°		145°	125°
<b>System height</b>	150 mm		169 mm	165 mm
<b>proximal system height to alignment reference point</b>	2 mm		21 mm	17 mm
<b>distal system height to alignment reference point</b>	148 mm			
<b>Weight</b>	770 g		840 g	750 g
<b>Max. body weight</b>	75 kg			

\* Using the especially adapted version of the 3R60-PRO=HD is mandatory for hip disarticulation fittings

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**i** 646D776

**📖** 647G403=1  
647H515

### 3R80 Modular monocentric knee joint with rotary hydraulics

The 3R80 with its unique rotation hydraulics principle is now also approved for prosthesis wearers with a body weight of up to 150 kg (330 lbs). With the 3R80, both the stance and the swing phase are controlled by the hydraulics. For example, walking down stairs step-over-step and walking down inclines are effectively supported by closely approximating a physiological gait pattern, even at various walking speeds.



≤ 150 kg

Article number	3R80	3R80=ST
<b>Mobility grade</b>	3 + 4	
<b>Material</b>	Aluminium	
<b>Distal connection</b>	Tube Clamp Ø 34 mm,	
<b>Proximal connection</b>	Pyramid Adapter	Threaded Connector
<b>Knee flexion angle</b>	150°	
<b>System height</b>	163 mm	179 mm
<b>proximal system height to alignment reference point</b>	28 mm	44 mm
<b>distal system height to alignment reference point</b>	135 mm	
<b>Weight</b>	1240 g	1225 g
<b>Scope of delivery</b>	2R57=16-285-WF Tube Adapter Ø 34 mm More powerful extension assist spring Quick Reference Guide	
<b>Max. body weight</b>	150 kg	

- Use the 3S107 Foam Cover for the 3R80.  
Fabrication of a customised cosmetic foam cover is possible.  
See Page 276

### Single components for 3R80 as spare parts



**📖** 647G180=1



≤ 150 kg

#### 2R77 Tube adapter

Article number	2R77
<b>Diameter</b>	34 mm
<b>Min. system height</b>	77 mm
<b>Max. system height</b>	472 mm
<b>Weight</b>	370 g
<b>Max. body weight</b>	150 kg



## 2R58 Tube adapter



≤ 150 kg

<b>Article number</b>	<b>2R58</b>
<b>Diameter</b>	34 mm
<b>Material</b>	Titanium
<b>Min. system height</b>	77 mm
<b>Max. system height</b>	472 mm
<b>Weight</b>	330 g
<b>Max. body weight</b>	150 kg



 647G180=1

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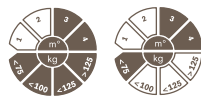
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**i** 646S1=7.04 647G817

### 3R95 Modular knee joint, monocentric, with hydraulic swing phase control

Small, lightweight and with powerful linear hydraulics for swing phase control. Particularly well suited for highly active users. Also available as the 3R95=1 with especially adapted characteristics for prosthesis wearers with a body weight less than 75 kg (165 lbs). Here the hydraulics for swing phase control are adapted to the lower pendulum mass and length compared to the 3R95. The joint housing has a dorsal recess to allow for a larger flexion angle.



3R95  
≤ 150 kg (330 lbs)

3R95=1

Article number	3R95	3R95=1
<b>Mobility grade</b>	3 + 4	
<b>Material</b>	Aluminium	
<b>Distal connection</b>	Pyramid Adapter	
<b>Proximal connection</b>	Pyramid Adapter	
<b>Knee flexion angle</b>	135°	155°
<b>System height</b>	62 mm	
<b>proximal system height to alignment reference point</b>	6 mm	
<b>distal system height to alignment reference point</b>	56 mm	
<b>Weight</b>	360 g	340 g
<b>Max. body weight</b>	150 kg	75 kg

- Use the 3R24 or 3S124 Foam Cover for the 3R95/3R95=1. Fabrication of a customised cosmetic foam cover is possible. See Page 275

## Single components for 3R95 and 3R95=1 as spare parts

### 4D17 Single component pack

Article number	4D17
<b>for</b>	3R95, 3R95=1
<b>Consisting of</b>	1 oval head countersunk screw 1 extension stop bumper

## 3R55 Modular polycentric knee joint with hydraulic swing phase control

Upper and lower joint sections are connected to one another by linkage bars. Stance phase stability is achieved through polycentric kinematics. The swing phase is controlled by the built-in hydraulic cylinder. Flexion and extension resistance are independently adjustable.



 647H30

<b>Article number</b>	<b>3R55</b>
<b>Mobility grade</b>	3 + 4
<b>Material</b>	Titanium
<b>Distal connection</b>	Pyramid Adapter
<b>Proximal connection</b>	Pyramid Adapter
<b>Knee flexion angle</b>	110°
<b>System height</b>	90 mm
<b>proximal system height to alignment reference point</b>	9 mm
<b>distal system height to alignment reference point</b>	81 mm
<b>Weight</b>	720 g
<b>Max. body weight</b>	125 kg

- ▶ Use the 3R6 or 3S106 Foam Cover for the 3R55. Fabrication of a customised cosmetic foam cover is possible.  
See Page 274

## Single components for 3R55 as spare parts

### 4D19 Single component pack

<b>Article number</b>	<b>4D19</b>
<b>for</b>	3R55
<b>Consisting of</b>	2 stops 1 damper protection 2 attachment nipples, short 1 attachment nipple, long 4 slotted bushings 4 Belleville spring washers 2 lock rings 2 lock nuts

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## Modular knee joints for knee disarticulation

Modular knee joints designed exclusively for knee disarticulation are described in the following section. KD joint versions that are also offered with a pyramid adapter (3R60, 3R106, C-Leg product line) can be found with the help of our quick search feature on the pages 179-180, 190.



647H20

### Modular knee joint for knee disarticulation, polycentric, with manual lock

The upper joint section with coupling unit and lower joint section with pyramid adapter are connected to one another by anterior and posterior linkage bars. The detachable lamination anchor connects the knee to the prosthetic socket. The adjustable lock secures the knee in extension. The lock is released using the lock cable.



<b>Article number</b>	<b>3R32</b>	<b>3R23</b>
<b>Mobility grade</b>	1	
<b>Material</b>	Titanium	Stainless steel
<b>Distal connection</b>	Pyramid Adapter	
<b>Proximal connection</b>	Lamination Anchor	
<b>Knee flexion angle</b>	110°	
<b>System height</b>	99 mm	
<b>proximal system height to alignment reference point</b>	17 mm	
<b>distal system height to alignment reference point</b>	82 mm	
<b>Weight</b>	655 g	880 g
<b>Max. body weight</b>	125 kg	

- Use the 6R6 (3R6, 3S106) Foam Cover for the 3R32 and 3R23. Fabrication of a customised cosmetic foam cover is possible. See the pages 273-274

## Accessories for 3R32/3R23

- Order separately as necessary.



### 4F34 Locking unit

For use both left and right, adjustable for push and pull. Can be used instead of the factory-installed 4F18=N Lock Slide.

<b>Article number</b>	<b>4F34</b>
<b>Consisting of</b>	1 housing 1 grip 1 cover 1 oval head screw 1 clamping bushing 2 raised head wood screws 1 Allen wrench

## Single components for 3R32 and 3R23 as spare parts

### 4D9 Single component pack

<b>Article number</b>	<b>4D9</b>
<b>Consisting of</b>	<ul style="list-style-type: none"> <li>4 slotted bushings</li> <li>4 Belleville spring washers</li> <li>2 lock rings</li> <li>3 set screws</li> <li>2 lock nuts</li> <li>2 stops</li> <li>4 truss head screws</li> <li>4 two-hole nuts</li> </ul>

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647G44

## Modular knee joint for disarticulation, polycentric, with mechanical extension assist

The upper joint section with lamination anchor and lower joint section are connected by anterior and posterior linkage bars. The detachable lamination anchor connects the knee to the prosthetic socket. Stance phase stability is achieved through polycentric kinematics. The extension assist spring and axial friction are both continuously adjustable.



Article number	3R30	3R21
<b>Mobility grade</b>	1 + 2	
<b>Material</b>	Titanium	Stainless steel
<b>Distal connection</b>	Pyramid Adapter	
<b>Proximal connection</b>	Lamination Anchor	
<b>Knee flexion angle</b>	110°	
<b>System height</b>	99 mm	
<b>proximal system height to alignment reference point</b>	17 mm	
<b>distal system height to alignment reference point</b>	82 mm	
<b>Weight</b>	655 g	1010 g
<b>Max. body weight</b>	125 kg	

- Use the 6R6 (3R6) Cosmetic Foam Cover for the 3R30 and 3R21. Fabrication of a customised cosmetic foam cover is possible. See the pages 273-274

## Single components for 3R30 and 3R21 as spare parts

### 4D7 Single component pack

Article number	4D7
<b>Consisting of</b>	4 slotted bushings 4 Belleville spring washers 1 set screw 2 lock rings 2 lock nuts 2 stops 1 extension assist spring 1 bearing for extension assist 1 guide for extension assist 1 plastic guide 1 knob for extension assist 4 truss head screws 4 two-hole nuts 2 set screws

## 3R46 Modular knee joint for disarticulation, polycentric, with hydraulic swing phase control

The upper joint section and lower joint section with pyramid adapter are connected to one another by anterior and posterior linkage bars. The detachable lamination anchor connects the knee to the prosthetic socket. Stance phase stability is achieved through polycentric kinematics. The swing phase is controlled by the built-in hydraulic cylinder. Flexion and extension resistance are independently adjustable.



<b>Article number</b>	<b>3R46</b>
<b>Mobility grade</b>	3 + 4
<b>Material</b>	Titanium
<b>Distal connection</b>	Pyramid Adapter
<b>Proximal connection</b>	Lamination Anchor
<b>Knee flexion angle</b>	110°
<b>System height</b>	99 mm
<b>proximal system height to alignment reference point</b>	17 mm
<b>distal system height to alignment reference point</b>	82 mm
<b>Weight</b>	740 g
<b>Max. body weight</b>	125 kg

- Use the 6R6 (3R6) Foam Cover for the 3R46.  
Fabrication of a customised cosmetic foam cover is possible.  
See the pages 273-274



 647G94

## Single components for 3R46 as spare parts

### 4D18 Single component pack

<b>Article number</b>	<b>4D18</b>
<b>Consisting of</b>	2 stops 4 truss head screws 4 two-hole nuts 1 damper protection 2 attachment nipples, short 1 attachment nipple, long 4 slotted bushings 4 Belleville spring washers 3 set screws 2 lock rings 2 lock nuts

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### 3C98-2 / 3C88-2 C-Leg knee joints

The C-Leg is the world's first fully microprocessor-controlled hydraulic leg prosthesis system. Since its market launch, it has set new standards for safety, regained mobility and quality of life for users.

The strain gauges in the tube adapter and a knee angle sensor record the anterior and posterior flexion moment and the angular velocity of the knee joint every 0.02 seconds. Based on these measurements, the microprocessors calculate the required movement resistance. Servomotors correspondingly open and close hydraulic valves to provide the required flexion and extension damping. As a result, the C-Leg adjusts to the requirements of the user in real time and thus ensures a very high level of dynamics and safety.

The next generation of the C-Leg was presented in 2011, retaining the proven advantages of the leg prosthesis system and adding important new functionality:

- 646A221=GB C-Leg and C-Leg compact Brochure
- 646D551 Information for Users
- 646A231=GB Information for Prosthetists
- 646B33=GB C-Leg Studies
- 647F281 Technician Questionnaire
- 647F283 User Application Questionnaire
- 647G750 Instructions for Use

- Mechanical and electronic adjustments have resulted in improved swing phase control. The new C-Leg allows the user to achieve a gait pattern even closer to a natural one, with easier, smoother movement of the knee joint.
- Optimised stumble recovery offers enhanced security. Adjustments to the damping behaviour of the knee joint in critical situations where the user stumbles permit faster compensation with the sound leg, resulting in even more reliable prevention of falls.
- Further developments of the knee joint frame have made the C-Leg even more robust. It is now approved for a maximum body weight of 136 kg\* (300 lbs) when used in combination with the appropriate tube adapter.
- The user also benefits from other innovations such as an additional activity mode (3rd mode), adjustable damping behaviour when the battery is drained, and improved splash protection of the C-Leg knee joint.

\* Only with 2R82=120, =160, =200 and =240 Tube Adapter



≤ 136 kg

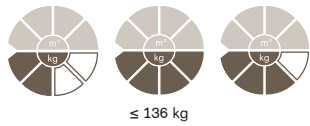


Article number	3C98-2	3C88-2	3C98-2=7.1	3C88-2=7.1
<b>Mobility grade</b>	3 + 4			
<b>Material</b>	Carbon			
<b>Distal connection</b>	Tube Clamp			
<b>Proximal connection</b>	Pyramid Adapter	Threaded Connector	Pyramid Adapter	Threaded Connector
<b>Knee flexion angle</b>	125°			
<b>System height</b>	196 mm	214 mm	196 mm	214 mm
<b>proximal system height to alignment reference point</b>	5 mm	23 mm	5 mm	23 mm
<b>distal system height to alignment reference point</b>	191 mm			
<b>Weight (without tube adapter)</b>	1,143 g	1,147 g	1,143 g	1,147 g
<b>Max. body weight</b>	136 kg			



## 2R82 / 2R81 C-Leg tube adapters

► Please use the tube adapter selection disc (4X77=GB) to choose the correct length.



Article number	2R82=110	2R82=120	2R82=160	2R82=200	2R82=240	2R81=160	2R81=200	2R81=240
<b>Material</b>	Aluminium							
<b>Length</b>	110 mm	120 mm	160 mm	200 mm	240 mm	160 mm	200 mm	240 mm
<b>Min. system height</b>	147 mm	157 mm	197 mm	237 mm	277 mm	197 mm	237 mm	277 mm
<b>Max. system height</b>	197 mm	207 mm	247 mm	287 mm	327 mm	247 mm	287 mm	327 mm
<b>Weight</b>	178 g	188 g	212 g	234 g	256 g	438 g	460 g	482 g
<b>Version</b>	Standard					Torsion unit		
<b>Max. body weight</b>	100 kg	136 kg				125 kg		

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## 3C96-1 / 3C86-1 C-Leg compact knee joints

### Functional Principles

The C-Leg compact continuously recognises the walking phase of the user and adjusts to it in real time. When sitting down in a chair or walking on an uneven surface, a slope or stairs, mechatronic and hydraulic stance phase control system is always active. It stabilises the joint during heel strike up to the point of precisely switching to the hydraulically controlled swing phase. Using a remote control, an optional standing function can be activated, which adds stability and comfort to any standing position the user chooses. An optimised, hydraulic swing phase setting makes walking easier and thereby offers additional security.

### Area of Application

According to MOBIS, the Ottobock mobility system, the C-Leg compact is suitable for knee disarticulation, transfemoral, hip disarticulation and hemipelvectomy amputees with mobility levels 2 and 3. The maximum allowable body weight of the amputee is 125 kg. A list of indications supports you in the selection of the correct C-Leg leg prosthesis system.

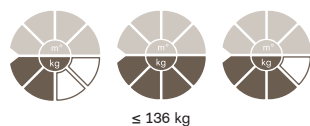
- 646A221=GB C-Leg and C-Leg compact Brochure
- 646D179=GB Information for Users
- 646A231=GB Information for Prosthetists
- 647G170=GB Instructions for Use



Reference number	3C96-1 / 3C86-1	3C86-1
<b>Mobility grade</b>	2 + 3	
<b>Material</b>	Carbon	
<b>Distal connection</b>	Tube Clamp	
<b>Proximal connection</b>	Pyramid Adapter	Threaded Connector
<b>Knee flexion angle</b>	125°	
<b>System height</b>	196 mm	214 mm
<b>proximal system height to alignment reference point</b>	5 mm	23 mm
<b>distal system height to alignment reference point</b>	191 mm	
<b>Weight (without tube adapter)</b>	1.000 g	1.000 g
<b>Max. body weight</b>	125 kg	

## 2R82 / 2R81 C-Leg tube adapters

• Please use the tube adapter selection disc (4X77=GB) to choose the correct length.



Article number	2R82=110	2R82=120	2R82=160	2R82=200	2R82=240	2R81=160	2R81=200	2R81=240
<b>Material</b>	Aluminium							
<b>Length</b>	110 mm	120 mm	160 mm	200 mm	240 mm	160 mm	200 mm	240 mm
<b>Min. system height</b>	147 mm	157 mm	197 mm	237 mm	277 mm	197 mm	237 mm	277 mm
<b>Max. system height</b>	197 mm	207 mm	247 mm	287 mm	327 mm	247 mm	287 mm	327 mm
<b>Weight</b>	178 g	188 g	212 g	234 g	256 g	438 g	460 g	482 g
<b>Version</b>	Standard					Torsion unit		
<b>Max. body weight</b>	100 kg	136 kg				125 kg		

## 4X160 C-Leg protector



C-Leg Protector: Combining Aesthetics with Function



Protection in unusual and everyday situations: the C-Leg Protector is the perfect accessory for C-Leg and C-Leg compact wearers who stand in the middle of life and who like to take on challenges. Its special coating protects the knee joint from scratches and jolts. With the C-Leg Protector you can also kneel down again – easily and comfortably without sliding.

The C-Leg Protector is a must for fashion-conscious and self-confident prosthesis wearers who choose to show their C-Leg or C-Leg compact openly in public. Its transparent and elegant design in 2 colour variations encases the knee joint and tube adapter without hiding them. The high-quality design remains visible. The C-Leg Protector also shapes the calf area without compromising the function of the knee joint.

The C-Leg Protector can be adapted by the prosthetist quickly and easily. It can be applied to either the left or right side. If need be, the C-Leg Protector can be donned, doffed, and cleaned by the prosthesis wearer in everyday life.



-  646D224=GB Product Information Brochure
-  647H506 Instruction for Use

<b>Article number</b>	<b>4X160=1.2</b>	<b>4X160=5.6</b>
<b>Material</b>	Plastic	
<b>Weight</b>	≤ 330 g	
<b>Colour</b>	dolphin	Blue
		

## Service and spare parts set for the C-Leg protector

### 4X177 Protector closure kit

<b>Article number</b>	<b>4X177</b>
<b>Consisting of</b>	2 calf closures 1 charging plug cover 1 ankle closure

### 4X178 Tube protector set

<b>Article number</b>	<b>4X178</b>
<b>Consisting of</b>	1 tube protector 1 retaining ring, long 1 retaining ring, short 1 sock band

### 4X202 Sock band for C-Leg protector

<b>Article number</b>	<b>4X202</b>
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 647G268 C-Soft Instructions for Use

## 4X180 C-Soft – auto-adaptive software

With C-Soft, Ottobock has developed an innovative software that supports the quick and easy adjustment of the C-Leg and C-Leg compact leg prosthesis systems.

Wireless communication between joint and laptop is performed via the BionicLink. Ottobock is the first company in the industry to use Bluetooth™ technology for this purpose. This allows you to focus entirely on your customer and on optimising the settings of the C-Leg compact/C-Leg. During the fitting, your customer can move about freely without being impeded by cables. Thanks to the BionicLink, users can also wear the cosmetic cover during the adjustment procedure. In this way, negative effects of the cosmetic cover on the control unit of the prosthesis can be compensated from the outset.

The software is notable for its user-friendliness. Settings are menu-driven and the programme guides you step by step through the process. Additional visualisations and detailed explanations also facilitate the process. Even if you have little past experience with the prosthesis adjustments, you can provide your customers with precise and professional fittings. For example, the software supports you in performing the necessary calculation of the maximum load. You merely need to enter your customer's body weight and foot size. The programme cross-checks its own calculated result by means of a gait sequence analysis and corrects the value if needed.

<b>Article number</b>	<b>4X180</b>
<b>for</b>	C-Leg and C-Leg compact Adjustments



## 60X3 BionicLink

With the BionicLink, Ottobock is introducing Bluetooth™ technology to the field of lower limb prosthetics. Now the user can move freely and without restrictions while the C-Leg or C-Leg compact is adjusted. This is because the BionicLink allows the settings to be modified under realistic conditions using a wireless remote. During trial walking, the prosthetist can concentrate fully on the adjustment process and the verification of the gait pattern thanks to Bluetooth™ technology.

<b>Article number</b>	<b>60X3</b>
<b>for</b>	Connection to the C-Leg or C-Leg compact



 646D225

## 60X5 BionicLink PC

Thanks to integrated Bluetooth™ technology in the Genium, knee joint settings can be modified wirelessly under realistic conditions.

The 60X5 USB Bluetooth™ adapter must be used for the Bluetooth™ data transfer between the Genium and X-Soft (4X1) software, since the performance of conventional Bluetooth™ receivers is not sufficient for proper function. With its user-friendly interface, X-Soft makes the adjustment process simpler and more systematic, thereby supporting you in providing your customer with an optimal prosthetic fitting.

<b>Article number</b>	<b>60X5</b>
<b>for</b>	Connection to the computer (USB Bluetooth™ adapter)

## Accessories

### 757L16-2 power supply

For C-Leg and C-Leg compact

Article number	757L16-2
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### 4E50-2 Battery charger

For C-Leg and C-Leg compact

Article number	4E50-2
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### 4X78 Charger extension cable

If a cosmetic foam cover makes it difficult to connect the charger cable at the designated point, we offer the charger extension cable and the plug bracket. Installed at the distal end, they permit uncomplicated charging.


Article number	4X78
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### 4X79 Plug holder for charger extension cable

Article number	4X79
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 647H370

### 4X83=430-USB PC interface with USB connection cable

Instead of using the BionicLink to establish a wireless connection between the PC and knee joint, you may use the USB connection cable as an alternative.

Article number	4X83=430-USB
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 647H481

### 4X77=GB Tube adapter selection plate for C-Leg and C-Leg compact

The selection plate allows you to quickly determine the suitable tube adapter length for the C-Leg and C-Leg compact, depending on the foot size and knee-floor measurement.

Article number	4X77=GB
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## Single components as replacement parts



### 4X73 Protective plug for C-Leg

Article number

4X73

## Special editions

646B33

Study brochure – summary of the various studies

646D71

C-Leg – a new system for prosthetic management of above-knee amputations

646D98

What can the C-Leg do?

646D109

Biomechanics and evaluation of the microprocessor-controlled C-Leg

646D117

646D163

Performance of various prosthetic knee joints on transfemoral amputees negotiating stairs

646D203

Biomechanical aspects for the indication of prosthetic knee joints

646D222

Influence of the C-Leg knee joint component by ottobock on the fitting quality for transfemoral amputees

646D258

Biomechanical analysis of negotiating slopes and stairs with current knee joint components

646D267

How often do lower limb amputees fall?

646D268

Long-term results with the C-Leg knee joint system

646D406

Functional principles of current microprocessor-controlled prosthetic knee joints

646D436

646D500

Comparative biomechanical analysis of current microprocessor-controlled prosthetic knee joints

646D540

Potential safety of current non-microprocessor and microprocessor controlled prosthetic knee joints

646D555

Long-term results with the C-Leg knee joint system: quality control of indications by clinical test centres



646D599

The new C-Leg and its enhanced functions

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-  646D594 Information for Users
- 646D595 Information for Prosthetists
- 646D428 Information for Patients
-  647G573 Instructions for Use

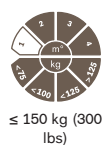
## Genium knee joints with remote control

The Genium Bionic Prosthetic System is the result of extensive research and development efforts as well as more than 14 years of practical experience with the C-Leg. The latest computer, sensor and control technology make the Genium a groundbreaking achievement in lower limb prosthetics for transfemoral amputees. With this system, amputees come a giant step closer to walking naturally compared to previous prosthetic solutions.

The Genium responds intelligently to a wide variety of everyday situations through intuitive control by the user.

The OPG – Optimised Physiological Gait – function and its sub-functions make it possible for the first time to create a virtually natural physiological gait pattern. Walking up stairs step-over-step without an active drive system, naturally crossing obstacles and relaxed standing are also possible.

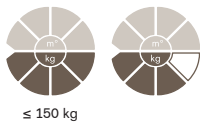
Thanks to the X-Soft adjustment software, the system can even aid in its own customisation for individual users, helping to ensure that the all of its benefits can be utilised.



Article number	3B1	3B1=ST
<b>Mobility grade</b>	2, 3, 4	
<b>Material</b>	Carbon	
<b>Distal connection</b>	Tube clamp	
<b>Proximal connection</b>	Pyramid Adapter	Threaded connector
<b>Knee flexion angle</b>	135°	
<b>proximal system height to alignment reference point</b>	0 mm	26 mm
<b>Minimum distal system height with AXON 2R20/2R21 Tube Adapter</b>	298 mm/330 mm	
<b>Maximum distal system height with AXON 2R20/2R21 Tube Adapter</b>	514 mm/546 mm	514 mm/546 mm
<b>Weight (without tube adapter)</b>	1,395 g	1,400 g
<b>Max. body weight</b>	150 kg	



## AXON tube adapter



Article number	2R20	2R21
Material	Aluminium	
Weight	290 g	530 g
Version	Standard	Torsion unit
Max. body weight	150 kg	125 kg

## 4X1 X-Soft – auto-adaptive software

The Genium Bionic Prosthetic System: as individual as your customers. Nevertheless, selecting the right components and performing the alignment are relatively straightforward for you. Computer-assisted alignment (CAA) allows you to fully utilise the functions of the system in the course of prosthesis alignment: a software program (X-Soft) calculates and visualises the forces acting on the prosthesis, offering individual recommendations for the custom positioning of the prosthetic components. This is a great advancement, since the alignment and socket connection have a major impact on the functionality of a prosthesis. You can't get any more customised.



Article number	4X1
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## 60X5 BionicLink PC

Thanks to integrated Bluetooth™ technology in the Genium, knee joint settings can be modified wirelessly under realistic conditions.

The 60X5 USB Bluetooth™ adapter must be used for the Bluetooth™ data transfer between the Genium and X-Soft (4X1) software, since the performance of conventional Bluetooth™ receivers is not sufficient for proper function. With its user-friendly interface, X-Soft makes the adjustment process simpler and more systematic, thereby supporting you in providing your customer with an optimal prosthetic fitting.



Article number	60X5
for	Connection to the computer (USB Bluetooth™ adapter)

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647G942 Instructions for Use (qualified personnel)  
646D298 Instructions for Use (user)

## 4X880 Genium protector

The 4X880 Genium Protector consists of the main protector component, which protects the Genium prosthesis system against impacts, environmental influences and wear, and a foot cuff that creates a smooth transition between the main protector component and the footshell.

In addition to protecting the knee joint, the Protector also establishes a virtually inconspicuous leg volume under long clothing. Its smooth surfaces make putting on and taking off clothing easier. The knee area is designed to make kneeling comfortable for the user. Since the main protector component can be shortened, it can be adapted to the individual needs of the user. The charging opening permits inductive charging of the Genium, even through clothing.

The foot cuff consists of two elements – sturdy, high-quality plastic to give it shape, and a textile material that ensures adequate mobility. This innovative hybrid design ensures an effective balance between shape retention and flexibility, which takes into account and stands up to the dynamic loads in the area of the ankle and foot.

Order example

**Reference number = Size (included cuff )**

**4X880 = M**

<b>Reference number</b>	<b>4X880</b>		
<b>Material</b>	Plastic/textile		
<b>Weight (protector incl. closure)</b>	450 g		
<b>Weight (cuff)</b>	~ 60 g		
<b>Size (included cuff)</b>	S	M	L
<b>Colour</b>	Champagne		

Prosthetic Foot	Reference number	Foot Cuff		
		Size S	Size M	Size L
Triton	1C60	24–25	26–28	29–30
Triton Vertical Shock	1C61	24–25	26–28	29–30
Triton Low Profile	1C63	24–25	26–28	29–30
Triton Heavy Duty	1C64	24–25	26–28	29–30
Trias	1C30	23–25	26–28	29–30
C-Walk	1C40	24–25	26–28	29–30
Dynamic Motion	1D35	23–25	26–28	29–30
Adjust	1M10	23–25	26–28	29–30
Axtion	1E56	23–25	26–28	29–31
Lo Rider	1E57	24–25	26–28	29–31

⚠ The cuff is not compatible with slim footshells.

## 4P880 Foot cuff

The foot cuff is available in the sizes S, M and L.

Order example

**Reference number = Size (included cuff )**

**4P880 = M**

<b>Reference number</b>	<b>4P880</b>		
<b>Size (included cuff)</b>	S	M	L

## 4X889=1 Genium custom carbon protector

In addition to the 4X880 Genium Protector, there is also a custom carbon protector that is custom-made for the user in regards to length and volume. It is offered through Ottobock Service Fabrication.

<b>Article number</b>	<b>4X889=1</b>
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 646D785=EN

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## Special editions

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Genium technology and function of the Genium

646D612

Biomechanics of the Genium

646D613

Genium comparative biomechanical evaluation

646D614

Going upstairs with the Genium

646D618

Naturally ingenious - the Genium in everyday use

646D617

Genium vs. C-Leg: A comparison

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# Modular hip joints

Thanks to our modular system, prosthetic fittings for various amputations in the hip region such as the intertrochanter amputation, hip disarticulation and hemipelvectomy have been significantly improved. However, fabricating and fitting a prosthesis for these amputation levels remains one of the major challenges faced by orthopaedics technology.

Various hip components are offered for mobility grades 1-3.

An overview of the combinations with suitable knee and foot components can be found on pages 32-33

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 647H466

## 7E5 Modular monocentric hip joint with lock

The hip joint is attached with screws to the pelvic socket lamination plate by the double hinged plate. The built-in manual lock automatically engages in the full extension position. For sitting down, it may be disengaged using a lever. Flexion and extension are adjusted by sliding the extension stop bumper on the tube. Hip rotation is adjustable.

Order example


**Reference number = Side**

**7E5 = L**



<b>Reference number</b>	<b>7E5</b>
<b>Mobility grade</b>	1
<b>Material</b>	Aluminium
<b>Distal connection</b>	Tube Ø 30 mm
<b>Proximal connection</b>	Lamination Plate
<b>Side</b>	links (L), rechts (R)
<b>Min. system height</b>	170 mm
<b>Max. system height</b>	360 mm
<b>Flexion angle</b>	120°
<b>Weight</b>	890 g
<b>Max. body weight</b>	100 kg



 647H466

## 7E4 Modular monocentric hip joint with extension assist

Very similar in design to the 7E5 Modular Hip Joint but without a lock. Instead, the joint has an extension assist with laterally attached latex bands for stride control. Built-in extension stop bumper is adjustable. The extension assist limits the range of motion when walking.



<b>Article number</b>	<b>7E4</b>
<b>Mobility grade</b>	1 + 2
<b>Material</b>	Aluminium
<b>Distal connection</b>	Tube Ø 30 mm
<b>Proximal connection</b>	Lamination Plate
<b>Min. system height</b>	170 mm
<b>Max. system height</b>	360 mm
<b>Flexion angle</b>	120°
<b>Weight</b>	940 g
<b>Max. body weight</b>	100 kg



## Single components for 7E5 and 7E4 as spare parts

### Single components pack

Article number	7D5	7D4
<b>for</b>	7E5	7E4
<b>Consisting of</b>	4 lock rings 1 wire bow with plastic roller 1 stop 4 countersunk head screws 2 guide pins 1 complete posterior strut	4 lock rings 1 distal slide control anchor 1 wire bow with plastic roller 1 proximal slide control anchor 1 stop 2 hip extensors 4 countersunk head screws 1 complete posterior strut

### 7E7 Modular monocentric hip joint with internal extension assist


The upper section of the hip joint is connected to the socket through the lamination plate. It is connected to the lower section through the hip axis. The continuously adjustable extension assist is located in the joint's lower section. It limits the range of motion while walking. The joint features a low structural height (= laminate thickness), which helps to minimise pelvic tilt while the patient is sitting. Abduction/adduction and flexion/extension as well as rotation are continuously adjustable.

The joint is supplied with a 7Z58 Lamination Dummy.



Article number	7E7
<b>Mobility grade</b>	2 + 3
<b>Material</b>	Titanium
<b>Distal connection</b>	Tube Ø 30 mm
<b>Proximal connection</b>	Lamination Plate
<b>Min. system height</b>	33 mm
<b>Max. system height</b>	360 mm
<b>Flexion angle</b>	140°
<b>Weight</b>	800 g
<b>Max. body weight</b>	100 kg



 647G130

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## Accessories for 7E5/7E4 and 7E7

- Order separately as necessary.



647H9



### 4R56 Tube clamp adapter, with 10°, 20° or 30° angle

The adapter is available with 3 different angles.

In prosthetic fittings with 7E5, 7E4 or 7E7 Hip Joints, it forms the adjustable connection between the pyramid adapter of the knee joint or the 4R57 Rotation Adapter and the hip joint tube. According to the direction of the tube, it forms an angle of 10°, 20° or 30° with the hip joint offset to the front.

In prosthetic fittings with Helix<sup>3D</sup> Hip Joint System, the adapter is intended for the adjustable proximal connection of the hip joint to the 2R30 Thigh Tube and for the adjustable distal connection of the 2R30 Thigh Tube to the pyramid adapter of the knee joint or the 4R57 Rotation Adapter.



Article number	4R56	4R56=1	4R56=2
<b>Diameter</b>	30 mm		
<b>Material</b>	Titanium		
<b>System height</b>	34 mm		35 mm
<b>Weight</b>	85 g		100 g
<b>Angling</b>	10°	20°	30°
<b>Max. body weight</b>	100 kg		

- The 4R56=1/=2 Tube Clamp Adapter with a 20°/30° angle is recommended for larger pelvic sockets. When using '=HD' knee joints, please consider the 10° angle of the pyramid adapter.



### 4R32 Finishing kit for modular hip disarticulation prostheses

The finishing kit is used to secure the foam connection plate to the pelvic socket and is a functional component of the Ottobock modular hip joints.

<b>Article number</b>	<b>4R32</b>
<b>Consisting of</b>	2 connecting straps with ring 2 distal anchor rings 2 wedges 1 ThermoLyn Trolene strip (as lamination template) 1 pair nylon cosmetic stockings, skin colour, size 3

### 7Z53 Lamination plate



<b>Reference number</b>	<b>7Z53</b>
<b>Material</b>	Aluminium
<b>Max. body weight</b>	100 kg

## Single components for 7E7 as spare parts

### 7D2 Single components pack

<b>Article number</b>	<b>7D2</b>
<b>for</b>	7E7
<b>Consisting of</b>	<ul style="list-style-type: none"> <li>1 tappet</li> <li>1 guide sleeve</li> <li>1 extension assist spring</li> <li>1 safety plate</li> <li>1 oval head countersunk screw</li> <li>1 stop</li> <li>2 cap screws, M8 thread</li> <li>1 cap screw, M5 thread</li> <li>1 lock ring</li> <li>1 protective sleeve (plastic)</li> </ul>

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## 7E9 Monocentric hip joint with hydraulic control unit

A high-performance miniature hydraulic system forms the heart of the 7E9 Hip Joint, harmoniously damping joint movements in both the swing and the stance phase with the goal of allowing the prosthesis wearer to achieve a gait pattern that comes closer to the physiological model. Combined with the Genium and C-Leg mechatronic knee joint systems, the 7E9 delivers optimum fitting results. A fitting with the 3R60 or 3R106 mechanical knee joint is supported as well. Thanks to the flexible mating part combination possibilities and the high patient weight limit of 125 kg, the hip joint is suitable for a large group of users with hip disarticulation or hemipelvectomy.



<b>Article number</b>	<b>7E9</b>
<b>Mobility grade</b>	2 + 3
<b>Material</b>	Aluminium
<b>Distal connection</b>	Pyramid Adapter
<b>Proximal connection</b>	Lamination Anchor
<b>System height</b>	81 mm
<b>Flexion angle</b>	130°
<b>Weight</b>	ca. 695 g
<b>Scope of delivery</b>	7Z53 Lamination Plate (aluminium, up to 100 kg) 7Z253=1-M10 Lamination Plate (steel, up to 125 kg) Connection Technique (proximal)
<b>Max. body weight</b>	125 kg

## Scope of delivery

### 7Z53 Lamination plate



<b>Reference number</b>	<b>7Z53</b>
<b>Material</b>	Aluminium
<b>Max. body weight</b>	100 kg

### 7Z53=1-M10 Lamination plate



<b>Article number</b>	<b>7Z53=1-M10</b>
<b>Material</b>	Steel
<b>Max. body weight</b>	125 kg

## Accessories for 7E9

### 743A29 Reference determination tool

<b>Article number</b>	<b>743A29</b>
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### 4R52 Tube clamp adapter



<b>Article number</b>	<b>4R52</b>
<b>Diameter</b>	30 mm
<b>Material</b>	Titanium
<b>System height</b>	33 mm
<b>Weight</b>	75 g
<b>Max. body weight</b>	100 kg



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- For higher loads in transtibial prostheses, a tube clamp adapter with  $\varnothing$  34 mm should be used (e.g. 4R82/4R91).

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647H9



### 4R56 Tube clamp adapter, with 10°, 20° or 30° angle

The adapter is available with 3 different angles.

In prosthetic fittings with 7E5, 7E4 or 7E7 Hip Joints, it forms the adjustable connection between the pyramid adapter of the knee joint or the 4R57 Rotation Adapter and the hip joint tube. According to the direction of the tube, it forms an angle of 10°, 20° or 30° with the hip joint offset to the front.

In prosthetic fittings with Helix<sup>3D</sup> Hip Joint System, the adapter is intended for the adjustable proximal connection of the hip joint to the 2R30 Thigh Tube and for the adjustable distal connection of the 2R30 Thigh Tube to the pyramid adapter of the knee joint or the 4R57 Rotation Adapter.



Article number	4R56	4R56=1	4R56=2
<b>Diameter</b>	30 mm		
<b>Material</b>	Titanium		
<b>System height</b>	34 mm		35 mm
<b>Weight</b>	85 g		100 g
<b>Angling</b>	10°	20°	30°
<b>Max. body weight</b>	100 kg		

- The 4R56=1/=2 Tube Clamp Adapter with a 20°/30° angle is recommended for larger pelvic sockets. When using '=HD' knee joints, please consider the 10° angle of the pyramid adapter.

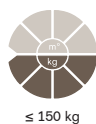


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### 4R156 Tube clamp adapter, with 10°, 20° or 30° angle

The adapter is available with 3 different angles.

Due to its high load-bearing capacity, it is preferable for use in combination with the 7E9 Hip Joint. Here the adapter is intended for the adjustable proximal connection of the hip joint to the 2R36 Thigh Tube and for the adjustable distal connection of the 2R36 Thigh Tube to the pyramid adapter of the knee joint or the 4R57 Rotation Adapter.



≤ 150 kg

Article number	4R156	4R156=1	4R156=2
<b>Diameter</b>	34 mm		
<b>Material</b>	Titanium		
<b>System height</b>	36 mm	37 mm	38 mm
<b>Weight</b>	140 g	165 g	175 g
<b>Angling</b>	10°	20°	30°
<b>Max. body weight</b>	150 kg		

- The 4R156=1/=2 Tube Clamp Adapter with a 20°/30° angle is recommended for larger pelvic sockets. When using '=HD' knee joints, please consider the 10° angle of the pyramid adapter.

## 4R57 Rotation adapter

Through incorporation of the rotation adapter above the knee joint, the lower leg may be rotated medially or laterally relative to the socket with the knee flexed.

For the amputee, this mainly translates into enhanced safety. The prosthesis can be swung to the side while driving. This minimises the risk of the prosthetic foot becoming stuck in the area of the pedals. The pedals can be operated using the other leg with no restrictions. In addition, this function allows the amputee to sit in a more comfortable and relaxed position behind the wheel, improving the focus on driving.

Furthermore, the rotation adapter means enhanced comfort for the amputee. It makes everyday activities such as putting on shoes and changing socks easier and allows the amputee to sit comfortably. The sitting position can be varied up to sitting cross-legged. The rotating mechanism is activated through pressing of the release button and is locked automatically.

There are two available versions which have the same function, but differ in terms of the proximal connection:

- Rotation adapter with pyramid adapter and pyramid receiver: the 4R57 Rotation Adapter is equipped with a proximal pyramid adapter.
- Rotation adapter with threaded connector and pyramid receiver: the 4R57=ST Rotation Adapter is equipped with a proximal thread. This allows for particularly space-saving integration of the adapter which can be screwed into the 4R111=N Lamination Anchor or the 4R43 Lamination Anchor.



≤ 150 kg

<b>Article number</b>	<b>4R57</b>
<b>Material</b>	Stainless steel
<b>Distal connection</b>	Pyramid Receiver
<b>Proximal connection</b>	Pyramid Adapter
<b>System height</b>	22 mm
<b>Weight</b>	170 g
<b>Rotation</b>	max. 360° (without foam cover)
<b>Max. body weight</b>	150 kg

- In order for the 4R57=ST Rotation Adapter to be able to be screwed properly into the lamination anchor, the 4X46=ST Lamination Dummy must be used for laminating. It must be ordered separately (see accessories Page 156).
- The 4R57 cannot be combined with the 2R49, 2R50 or 4R95.



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## 2R30 Light metal tube

<b>Article number</b>	<b>2R30</b>
<b>Diameter</b>	30 mm
<b>Max. body weight</b>	up to 100 kg

## 2R36 Light metal tube

<b>Article number</b>	<b>2R36</b>
<b>Diameter</b>	34 mm
<b>for</b>	4R156=* Angled Tube Clamp Adapter
<b>Max. body weight</b>	up to 125 kg

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reddot design award  
winner 2008

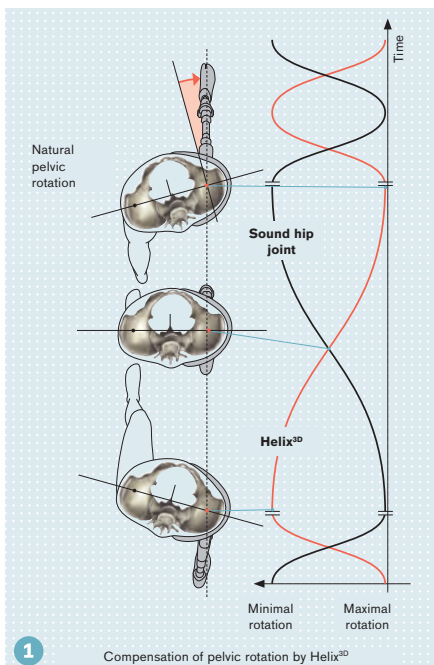
## 7E10 Helix<sup>3D</sup> hip joint

The Ottobock brand stands for trendsetting innovations in prosthetics. The Helix<sup>3D</sup> Hip Joint System also is a trendsetter. It sets new standards for safety, dynamics and comfort, redefining mobility for persons with a hip disarticulation or hemipelvectomy.

The Helix<sup>3D</sup> Hip Joint has been tested and approved exclusively for combination with the C-Leg and Genium knee joints and the corresponding system components.



<b>Reference number</b>	<b>7E10</b>
<b>Mobility grade</b>	2 + 3
<b>Material</b>	Aluminium
<b>Distal connection</b>	Pyramid Adapter
<b>Proximal connection</b>	Lamination Plate
<b>System height</b>	146 mm
<b>Flexion angle</b>	130°
<b>Weight</b>	990 g
<b>Max. body weight</b>	100 kg



### The patented multi-axis joint structure

- produces a three-dimensional hip movement to compensate for pelvic rotation and promotes a symmetrical and natural gait pattern. (Fig. 1)
- allows for leg length reduction during the swing phase with the aim to reduce the risk of falling and thereby to increase functional safety.
- ensures optimal sitting characteristics and reduces pelvic obliquity to a minimum.
- makes a large flexion angle possible, to facilitate everyday situations like putting on shoes or getting into a car.

### The novel spring-hydraulics combination

- supports initiation of the swing phase by the prosthesis wearer with integrated expansion springs. Energy stored during the stance phase is used to compensate for the lack of hip musculature during swing phase initiation and to reduce the amount of energy needed for walking. (Fig. 2)
- controls the three-dimensional movement during the entire step cycle.
- allows for dampened, controlled heel strike in the stance phase with significantly reduced hyperlordosis as well as harmonious hip joint extension. Controlled and smooth rollover on the prosthesis under full load becomes possible.
- allows for individual stride length setting and to control the pendulum motion in the swing phase.



## Accessories for 7E10

### 7Z53 Lamination plate



<b>Reference number</b>	<b>7Z53</b>
<b>Material</b>	Aluminium
<b>Max. body weight</b>	100 kg

### 646DV55 Gait training dvd

<b>Article number</b>	<b>646DV55</b>
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# Socket Technologies

Ottobock Socket Technologies ensure that a highly individual part of the prosthesis, the section that is in direct contact with the residual limb, is adapted to the user and his or her specific requirements. To ensure a high level of safety and wearer comfort, we offer a large selection of liner materials and suspension system for the prosthetic socket.

Ottobock is the only supplier in the world that gives the option of selecting the best possible liner for the user from the three materials of silicone, copolymer and polyurethane. Each of the three liner materials has unique characteristics. In combination with the corresponding suspension system, the right material ensures the user's residual limb is securely connected to the prosthesis.

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**General Information**

**Indications**

**Silicone Liners**

- Ideal for use in combination with the shuttle lock system
- Extremely durable
- Easy to clean

- Residual limbs with a good covering of soft tissue
- Low to medium activity level
- Use specific weight bearing socket design

**Copolymer Liners**

- Ideal for use in combination with a valve and sealing sleeve
- User and prosthetist-friendly
- Offers good protection against socket forces

- Many residual limb types; especially residual limbs with dry skin
- Low to medium activity level
- Use total surface weight bearing socket

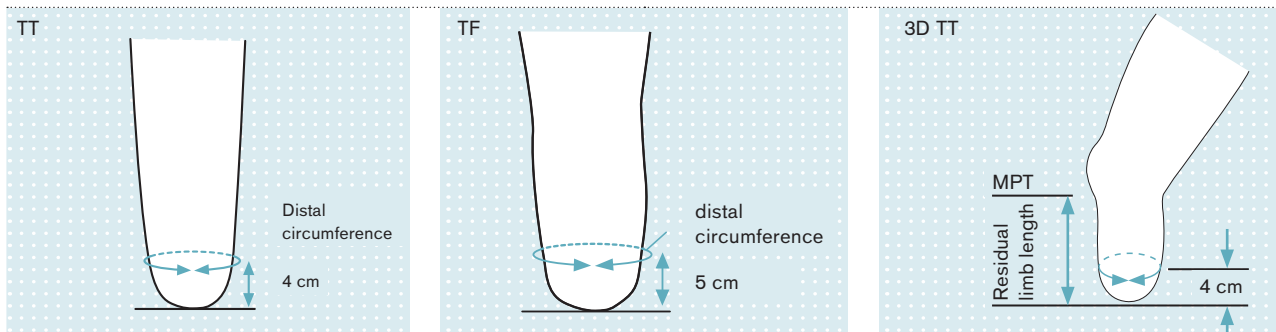
**Polyurethane Liners**

- Ideal for use with an exhaust valve or the Harmony system with a sealing sleeve
- Offers very good protection against socket forces
- Flow characteristics maintains a precise, comfortable fit

- All residual limb types, especially sensitive, bony and/or scarred residual limbs
- Low to high activity level
- Use total surface weight bearing socket according to Harmony principle

Measure distal circumference, select next smaller liner size

**Measuring Example**



## 6Y77 Skeo 3D

The anatomy of the lower leg served as the starting point for the development of the Skeo 3D liner. The result is a pre-fl exed liner with varying wall thicknesses. Additional material protects sensitive areas of the residual limb against pressure and impacts, while knee flexion is facilitated by a thinner layer of material in the hollow of the knee. This makes the liner comfortable to wear. The Skeo 3D for the lower leg is also made of particularly soft silicone.

### Two measurements are needed to determine the correct size of the liner:

- Measure the length from MPT to the end of the residual limb to determine residual limb length.
- Measure the circumference 40 mm (1 ½”) above end of the residual limb to determine residual limb circumference.
- Select the article number in the table according to the measurements made.

Order example

Referencenumber	=	Residual circumference	x	Residual length
-----------------	---	------------------------	---	-----------------

**6Y77** = 265 x 75

Reference number	6Y77
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SIL

Residual limb length (in mm) MPT (Mid-Patella Tendon) to distal end	Residual limb circumference (in mm) 40 mm above distal end																															
	185	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295	300	305	310	315	320	325	330	335	340
50–100 mm																		6Y77=265X75														
	6Y77=180X125																															
100–150 mm						6Y77=200X125																										
									6Y77=220X125																							
													6Y77=235X125																			
															6Y77=250X125																	
																	6Y77=265X125															
																			6Y77=280X125													
150–200 mm											6Y77=220X175																					
													6Y77=235X175																			
															6Y77=250X175																	
																	6Y77=265X175															
																			6Y77=280X175													
																				6Y77=300X175												
																						6Y77=320X175										

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## 6Y75 Skeo Skinguard

Skeo Skinguard liners convince with their comfortably soft silicone material. The liners enhance the user's well-being considerably thanks to the Skinguard antibacterial additive.

### Benefits

- The antibacterial particles prevent bacteria from multiplying and protect the silicone material
- Controls odor caused by bacteria for improved hygiene
- In accordance with the specifications of the JIS Z 2801 standard, an independent laboratory proved that the antibacterial additive causes a reduction up to 99.9 % in bacteria colonies of *Staphylococcus aureus* (gram-positive) and *Escherichia coli* (gram-negative)
- The natural skin flora is not influenced by the antibacterial additive
- Custom liners available to fit limbs outside the common size range
- The special textile cover facilitates donning and doffing of the liner

Order example

Reference number	=	Size
6Y75	=	280

<b>Reference number</b>	<b>6Y75</b>
<b>Connection</b>	with distal connection, with SkinGuard Technology
<b>Wall thicknesses</b>	from approx. 5 mm distally, tapering to 3 mm proximally
<b>Size (distal circumference)</b>	160 mm, 180 mm, 200 mm, 210 mm, 220 mm, 235 mm, 250 mm, 265 mm, 280 mm, 300 mm, 320 mm, 340 mm, 360 mm, 380 mm, 400 mm

Order example

Reference number	=	Size	-	Wall thickness
6Y70	=	280	-	6

<b>Reference number</b>	<b>6Y70</b>
<b>Connection</b>	with distal connection; <b>without Skinguard Technology</b>
<b>Wall thicknesses</b>	3 mm (-), tapering from approx. 5 mm distal to 3 mm proximal 6 mm (6), 6 mm uniform
<b>Size (distal circumference)</b>	160 mm, 180 mm, 200 mm, 210 mm, 220 mm, 235 mm, 250 mm, 265 mm, 280 mm, 300 mm, 320 mm, 340 mm, 360 mm, 380 mm, 400 mm

- Custom sizes are also available; see the section "Order and Measurement Forms" in the general section "Knowledge & Application".

## 6Y42 Skeo

Ottobock's tried and tested silicone liners have long impressed users with their combination of comfortable connection to the limb and stability.

### Benefits

- Textured inner surface is gentle on the skin when donning and doffing and when bending the knee
- Integrated stabilizing matrix creates a more comfortable distal connection by minimizing pistoning (longitudinal stretching) without restricting radial stretching around the residual limb
- The special textile cover facilitates donning and doffing of the liner

Order example

Reference number	=	Size
6Y42	=	280

Reference number	6Y42
Wall thicknesses	from approx. 4.5 mm distally, tapering to 2.5 mm proximally
Size (distal circumference)	180 mm, 200 mm, 210 mm, 220 mm, 235 mm, 250 mm, 265 mm, 280 mm, 300 mm, 320 mm, 340 mm, 360 mm, 380 mm, 400 mm, 420 mm, 450 mm



SIL

## 6Y43 Skeo Pure

Thanks to its transparent silicone material, the Skeo Pure liner allows for a visual check of the fit and the skin's appearance, which offers a significant advantage e.g. for interim fittings.

### Benefits

- Special outside coating makes the liner easy to don and doff, easy to clean and quick to dry
- Textured inner surface is gentle on the skin when donning and doffing and when bending the knee
- Integrated stabilizing matrix creates a more comfortable distal connection by minimizing pistoning (longitudinal stretching) without restricting radial stretching around the residual limb
- Because it dries very quickly, the liner is also ideal for use in waterproof prostheses
- Easy to cut or trim for better fit

Order example

Reference number	=	Size
6Y43	=	280

Reference number	6Y43
Size (distal circumference)	120 mm, 140 mm, 160 mm, 180 mm, 200 mm, 210 mm, 220 mm, 235 mm, 250 mm, 265 mm, 280 mm, 300 mm, 320 mm, 340 mm, 360 mm, 380 mm, 400 mm, 420 mm, 450 mm



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- Can be used in combination with a waterproof prosthesis.

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## ProSeal system



SIL

### 6Y81 ProSeal SIL liner

The 6Y81 ProSeal SIL Liner is a special, durable silicone liner for transfemoral vacuum socket fittings.

ProSeal ring technology can be used in transfemoral applications with this liner. The special, smooth exterior coating makes application and removal of the liner easy.

The 6Y81 ProSeal SIL Liner is suitable for transfemoral amputees with a moderate to high activity level.

Order example

Reference number	Size
<b>6Y81</b>	= 300
<b>Reference number</b>	<b>6Y81</b>
<b>Connection</b>	without distal connection
<b>Wall thicknesses</b>	3 mm
<b>Size (distal circumference)</b>	280 mm, 300 mm, 320 mm, 340 mm, 360 mm, 380 mm, 400 mm, 420 mm, 450 mm, 500 mm, 550 mm



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### 452A1 ProSeal ring

Proximal sealing system for TF vacuum sockets.

Recommended in combination with the 6Y81 ProSeal SIL Liner.

Order example

Reference number	Proximal circumference
<b>452A1</b>	= 320
<b>Reference number</b>	<b>452A1</b>
<b>Proximal circumference</b>	320 mm, 340 mm, 360 mm, 380 mm, 400 mm, 420 mm, 440 mm, 460 mm, 480 mm, 500 mm, 520 mm, 540 mm, 560 mm, 580 mm, 600 mm, 640 mm
<b>Scope of delivery</b>	Sealing ring, fixation ring, lamination dummy



## 6Y85 / 6Y80 : Skeo Skinguard and Skeo

Skeo Skinguard liners convince with their comfortably soft silicone material. The liners enhance the user's well-being considerably thanks to the Skinguard antibacterial additive.

### Benefits

- The antibacterial particles prevent bacteria from multiplying and protect the silicone material
- Controls odor caused by bacteria for improved hygiene
- In accordance with the specifications of the JIS Z 2801 standard, an independent laboratory proved that the antibacterial additive causes a reduction up to 99.9 % in bacteria colonies of Staphylococcus aureus (gram-positive) and Escherichia coli (gram-negative)
- The natural skin flora is not influenced by the antibacterial additive
- Custom liners available to fit limbs outside the common size range
- The special textile cover facilitates donning and doffing of the liner

Order example

**Reference number = Size**

**6Y85 = 300**

<b>Reference number</b>	<b>6Y85</b>
<b>Connection</b>	with distal connection, with SkinGuard Technology
<b>Wall thicknesses</b>	from approx. 4.5 mm distally, tapering to 2.5 mm proximally
<b>Size (distal circumference)</b>	280 mm, 300 mm, 320 mm, 340 mm, 360 mm, 380 mm, 400 mm, 420 mm, 450 mm, 500 mm, 550 mm

Order example

**Reference number = Size**

**6Y80 = 300**

<b>Reference number</b>	<b>6Y80</b>
<b>Connection</b>	with distal connection, without SkinGuard Technology
<b>Wall thicknesses</b>	from approx. 4.5 mm distally, tapering to 2.5 mm proximally
<b>Size (distal circumference)</b>	280 mm, 300 mm, 320 mm, 340 mm, 360 mm, 380 mm, 400 mm, 420 mm, 450 mm, 500 mm, 550 mm

- Custom sizes are also available; see the section "Order and Measurement Forms" in the general section "Knowledge & Application".



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## 6Y87 Skeo 3D (TF)

With its innovative shape, the Skeo 3D for transfemoral amputees is the brand-new addition to the Skeo range of liners. A transfemoral residual limb typically exhibits an especially large amount of soft tissue. Optimally suited to this anatomical characteristic, the Skeo 3D tapers at the distal end. The tapered shape softly cushions the tissues, rather than constricting and pushing them upwards. Meanwhile, the upper section of the liner is cylindrical in shape, thereby supporting the residual limb from all sides. A drop-shaped textile inlay on the outside of the liner serves as a visual and tactile positioning aid and can be used to attach the KISS Lanyard System.

### Benefits Skeo 3D transfemoral liners

- Conical shape in the distal area encloses and protects sensitive soft tissues
- Cylindrical shape provides a better and tighter connection in the proximal area
- The special textile cover facilitates donning and doffing of the liner
- Special textile area for simple attachment of the KISS Lanyard velcro

Order example

**Reference number = Size**

**6Y87 = 300**

Reference number	6Y87
Connection	with distal connection
Size (distal circumference)	280, 300, 320, 340, 360, 380, 400, 450

## 6Y512 Anatomic 3D PUR liner

The Anatomic 3D PUR liner is based on the anatomy of the lower leg. Thanks to innovative ASG (anatomy-specific geometry) technology, the liner sets new protection standards. The polyurethane material ensures optimum pressure distribution and durability. A special structure distributes moisture in the liner during use so it literally disappears in the texture. The Anatomic 3D PUR Liner is available with the antibacterial additive Skinguard Technology.

### Size selection:

- Measure the length from MPT to the distal end of the residual limb to determine residual limb length.
- Measure the circumference 40 mm from the distal end of the residual limb to determine residual limb circumference.
- Select the article number in the table according to the measurements taken.
- The proximal circumference 100 mm above the MPT can be used to check the fit on the thigh. This helps you decide whether a standard liner will fit or whether to use a custom liner. Compare the measurement in the right column with the previously determined proximal circumference.

### Order example

Reference number	=	Residual limb circumference	x	Residual limb length	(-F: with textile) (-G: with Skinguard Technology)
<b>6Y512</b>	=	210	x	175	(-F)(-G)

Reference number	6Y512
------------------	-------



PUR

► Please select the model here as well (textile: none or partial (-F)).

Residual limb length (in mm) MPT (mid-patella tendon) to distal end	Residual limb circumference (in mm) 40 mm above distal end																												Proximal circumference (in mm) 100 mm above MPT (mid-patella tendon) (for verification only)					
	215	220	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295	300	305	310	315	320	325	330	335	340								
50 – 100	6Y512=250x75 (-F)(-G)																												305 – 370					
100 – 150	6Y512=210x125 (-F)(-G)																																	290 – 340
	6Y512=235x125 (-F)(-G)																												305 – 370					
	6Y512=265x125 (-F)(-G)																												330 – 390					
	6Y512=280x125 (-F)(-G)																												360 – 430					
150 – 200	6Y512=300x125 (-F)(-G)																												380 – 440					
	6Y512=210x175 (-F)(-G)																												290 – 340					
	6Y512=235x175 (-F)(-G)																												305 – 370					
	6Y512=265x175 (-F)(-G)																												330 – 390					
150 – 200	6Y512=280x175 (-F)(-G)																												360 – 430					
	6Y512=300x175 (-F)(-G)																										380 – 440							

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PUR

### 6Y522 / 6Y523 Simplicity tapered PUR liner

The Simplicity Tapered PUR Liner is made of special skin-friendly polyurethane featuring excellent flowing characteristics. They ensure optimum pressure distribution and high shock absorption.

For additional protection of the residual limb, we chose a wall thickness of 6 mm in the distal area (up to 10 cm) tapering to 3 mm in the proximal direction.

The Simplicity Tapered PUR Liner is designed for users with a low to moderate activity level.

The Simplicity PUR Liner is available with the Skinguard Technology antibacterial additive.

Order example

<b>Reference number</b>	<b>=</b>	<b>Size</b>	<b>- (with Skinguard Technology)</b>
<b>6Y522</b>	<b>=</b>	<b>190</b>	<b>- (G)</b>

<b>Reference number</b>	<b>6Y522</b>
<b>Connection</b>	without distal connection
<b>Wall thicknesses</b>	6 mm wall thickness up to 10 cm distal, tapering to 3 mm wall thickness proximal
<b>Size (distal circumference)</b>	190 mm, 210 mm, 230 mm, 250 mm, 290 mm, 310 mm
<b>Textile cover</b>	without textile cover (-)      with Skinguard Technology (-G)

<b>Reference number</b>	<b>6Y523</b>
<b>Connection</b>	without distal connection
<b>Wall thicknesses</b>	6 mm wall thickness up to 10 cm distal, tapering to 3 mm wall thickness proximal
<b>Size (distal circumference)</b>	190 mm, 210 mm, 230 mm, 250 mm, 290 mm, 310 mm
<b>Textile cover</b>	Light blue      with Skinguard Technology (-G)



PUR

### 6Y540 Akquire PUR liner

The 6Y540 AKquire PUR Liner for transfemoral amputees is made of a special, skin-friendly polyurethane featuring excellent flowing properties. They ensure optimum pressure distribution and high shock absorption.

The thin proximal wall thickness (3 mm) allows for a comfortable transition to the socket.

The 6Y540 AKquire PUR Liner is suitable for transfemoral amputees with a low to moderate activity level.

Order example

<b>Reference number</b>	<b>=</b>	<b>Size</b>
<b>6Y540</b>	<b>=</b>	<b>305</b>

<b>Reference number</b>	<b>6Y540</b>
<b>Connection</b>	without distal connection
<b>Wall thicknesses</b>	from approx. 5 mm distally, tapering to 3 mm proximally
<b>Size (distal circumference)</b>	203 mm, 254 mm, 305 mm, 355 mm, 405 mm, 457 mm, 508 mm

## 6Y93=C6 / 6Y93=L6 Balance TPE liner

The 6Y93 Balance TPE Liner is a skin-friendly and easy to apply solution for users with a low to moderate activity level. The soft, flexible, thermoformable material reduces shear forces and pressure while the medical white oil moisturises and regenerates the skin. Various wall thicknesses offer protection with flexibility while keeping the residual limb in balance.

Order example

Reference number	=	Connection	Distal cushion	-	Size
6Y93/6Y93F	=	C	6	-	M

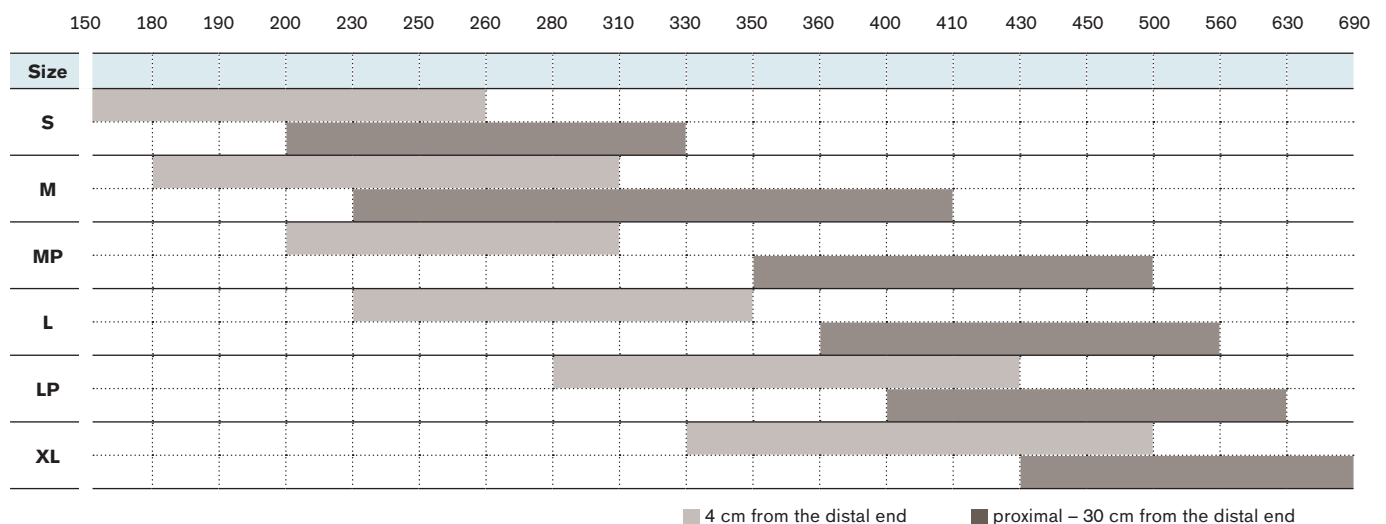
Reference number	6Y93=C6	6Y93=L6
Distal connection	without	with
Exterior coating	with	
Liner length	38 cm	
Distal cushion	6 mm	



TPE

The longer 6Y93F Balance TPE Liner version is intended especially for Symes and knee disarticulation amputees. Thanks to the distal cushion with extra reinforcement, highly sensitive residual limbs are protected.

Reference number	6Y93F=C6	6Y93F=L6
Distal connection	without	with
Exterior coating	with	
Liner length	50 cm	
Distal cushion	14 mm	



### Practical recommendation:

S, M, L and XL are standard sizes. MP and LP are special sizes for a more conical residual limb shape. Measure the circumference on the distal end (4cm) and proximal end (30cm from the distal end). Select the size from the following table.

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## 6Y92 / 6Y90 Basic TPE liner

The 6Y90 and 6Y92 Basic TPE Liners are cylindrical shaped, textile-covered liners made from a thermoformable copolymer. The user-friendly copolymer contains a medical grade mineral oil which helps moisturise dry skin and contains an antioxidant which traps free radicals and hydroxyl groups.

The 6Y90 and 6Y92 Basic TPE Liners are suitable for patients with a low to moderate activity level.

Order example

**Reference number = Size**

**6Y92 = 200**

Reference number	6Y92	6Y90
<b>Connection</b>	without distal connection	with distal connection and 10 cm distal matrix
<b>Distal cap</b>	without distal cap	with distal cap
<b>Wall thicknesses</b>	10 mm thick distal cushion pad; wall thickness tapering from 5.5 mm to 2.5 mm proximal	
<b>Size (distal circumference)</b>	200 mm, 250 mm, 280 mm, 320 mm, 360 mm	

## Custom liners

Ottobock understands that your patients are unique and present different challenges. Our custom liners are an excellent solution when a personalised fit is needed.

### Custom polyurethane (PUR) liners

PUR

Every user is unique.

A custom polyurethane (PUR) liner meets these requirements because it is made to order for a specific user. This makes it the perfect solution for anyone requiring a highly individual fitting. It offers you the opportunity to meet the specific needs of the user. Thanks to innovative technology, the custom polyurethane (PUR) liner has numerous advantages:

- Optimised material offers enhanced tear and puncture resistance
- Flow characteristics that assure excellent pressure distribution are retained
- High durability thanks to a special surface coating
- Easy handling for the user
- Custom fit for all residual limb shapes
- As an option, custom PUR liners are available with the Skinguard Technology antibacterial additive

#### 6Y400 PUR custom liner

Custom PUR liner from cast and measurement form

<b>Article number</b>	<b>6Y400</b>
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#### 6Y414 Harmony custom liner (PUR)

Harmony custom liner (PUR) – offers the best liner properties for the Harmony system. Fabricated according to a plaster cast.

<b>Article number</b>	<b>6Y414</b>
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#### 6Y416 Shapeplus custom PUR liner

ShapePlus custom PUR liner – for challenging shapes and sizes, such as scarring, undercuts, knee flexion 15 – 35°, large circumferences (≥80cm) or long lengths (MPT to distal end ≥ 30cm), i.e. Symes, knee disarticulations, etc. Fabricated according to a plaster cast.

<b>Article number</b>	<b>6Y416</b>
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## 6Y430 PUR custom liner for transfemoral fittings

Fabricated according to a plaster cast or submitted check socket.

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**Article number**

**6Y430**

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## Custom silicone (SIL) liners

SIL

Our custom silicone liners provide solutions when the situation requires locking liner suspension or added durability. The product range of custom silicone liners extends from versions of our 6Y70 and 6Y80 liners fabricated according to your measurements, to highly versatile and durable custom liners from Silicone Fabrication for unique shapes, e.g. highly conical or in case of scarring, with multiple durometers, undercuts, varied lengths and thicknesses, and when custom colours are desired for a truly personal touch.

### 6Y70=M Custom silicone gel liner

<b>Article number</b>	<b>6Y70=M</b>
<b>Connection</b>	with distal connection; <b>without Skinguard Technology</b>

### 6Y80=M TF adapt custom silicone liner

<b>Article number</b>	<b>6Y80=M</b>
<b>Connection</b>	with distal connection, without SkinGuard Technology

### 88L Custom silicone liner from a plaster cast

<b>Article number</b>	<b>88L</b>
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### 6Y81=M-2 Proseal custom sil liner

<b>Article number</b>	<b>6Y81=M-2</b>
<b>Connection</b>	without distal connection (without blind cap)

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### 453H12 Derma prevent

- Prevents chafing
- Inhibits contact with external allergens
- Covers highly stressed skin with a protective coating and leaves it soft and supple
- Inhibits perspiration and odour formation through the individual release of an active substance

<b>Article number</b>	<b>453H12</b>	<b>453H12=1</b>
<b>Order by</b>	6 bottles	1 bottle
<b>Packaging</b>	Package of 6	1 pc
<b>Contents</b>	100 ml	



**Practical recommendation:**

To reduce the static friction of Polytol, rub a thin layer of Derma Prevent on the inside and outside of the socket. Do not apply Derma Prevent to those places where a double sided adhesive strip or a self-adhesive hook or loop strip will be attached later on.



### 453H10 Derma clean

- Cleans gently and safely
- Ph-neutral, free of alkali and phosphates
- Anti-bacterial formula

<b>Article number</b>	<b>453H10</b>	<b>453H10=1</b>
<b>Order by</b>	6 bottles	1 bottle
<b>Contents</b>	300 ml	



### 453H14 Derma repair

- Moisturises and promotes the regeneration of dry, irritated skin
- Reduces the effects of excessive strain and soothes irritated skin
- Antibacterial formula: helps assist the skin's defence system against harmful environmental effects
- Regulates moisture and makes the skin noticeably more supple and elastic
- Improves skin function, promotes the skin's blood circulation and helps cells to grow

<b>Article number</b>	<b>453H14</b>	<b>453H14=1</b>
<b>Order by</b>	6 bottles	1 bottle
<b>Contents</b>	200 ml	

## Accessories



### 453H30=GB Derma travel set

Contains one bottle each of Derma Clean, Derma Prevent and Derma Repair as well as a handy toilet bag.

<b>Article number</b>	<b>453H30=GB</b>
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## 646M453 Derma trial set

One small trial bottle each of Derma Clean, Derma Prevent and Derma Repair.

<b>Article number</b>	<b>646M453</b>
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### 719S20 Special scissors for cutting synthetic fabrics

For cutting fabric covered liners. The scissors' special coating is designed to cut through synthetic fibres and ensure effective protection against abrasive wear. The coating makes the scissor blades especially durable. Friction constantly replenishes the ceramic oxide layer. The scissors are resistant against UV and perspiration and extremely corrosion resistant. The very low-friction coating allows the scissors to cut modern high-performance fabrics easily.

<b>Article number</b>	<b>719S20</b>
<b>Weight</b>	0.2 kg
<b>To be used for</b>	Cutting TF Adapt liners, liners with textile coating



### 756L10 Liner trimmer

For trimming and bevelling the proximal end of gel liners in one process step. The liner trimmer leaves a smooth edge.

<b>Article number</b>	<b>756L10</b>
<b>Weight</b>	2.9 kg
<b>To be used for</b>	Trimming and bevelling the proximal end of gel liners in one work step. The liner trimmer leaves a smooth edge.



### 640F18 Donning spray for silicone liners

<b>Article number</b>	<b>640F18</b>	<b>640F18=900</b>
<b>Contents</b>	45 ml	900 ml

# AeroLink System

**After just three simple application steps, your patient can experience added freedom of movement in the knee with the AeroLink System:**

**Step 1:** The AeroLink Hybrid Liner is rolled over the residual limb. Then the user slides into the inner socket.

**Step 2:** The user folds the vacuum flap integrated in the liner over the edge of the inner socket, creating an airtight seal. Air remaining in the inner socket is pushed out through the valve in the pin integrated in the inner socket.

**Step 3:** Now the user slides into the outer socket. In this process, the outer and inner socket are joined by the pin with the AeroLink Connector.

### Indications:

- Suitable for all users with a transtibial prosthesis and residual limb length of at least 12 cm.
- Recommended for mobility grade 2–4.

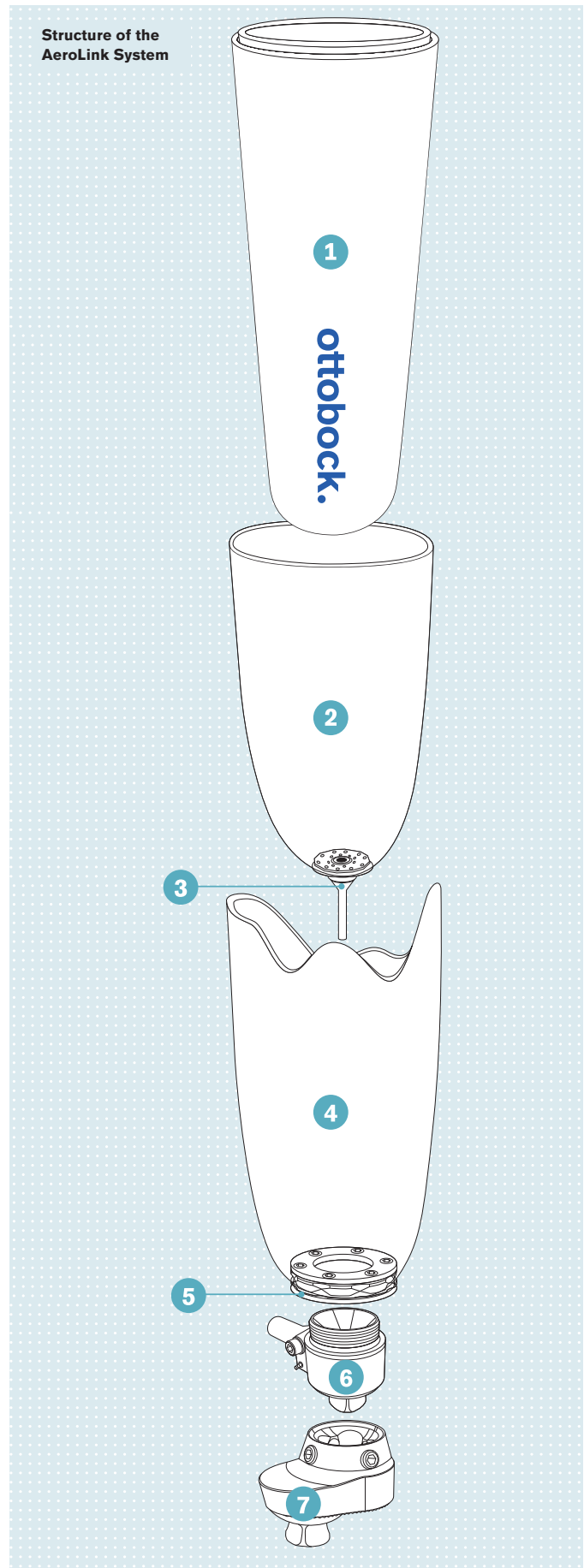
### Recommendation:

- If the residual limb length is less than 15 cm, the AeroLink Hybrid Liner should not be shortened below the patella.

- 1 6Y100 AeroLink Hybrid Liner**  
with vacuum flap
- 2 ThermoLyn inner socket**
- 3 Pin with integrated exhaust valve**
- 4 Outer socket**
- 5 Lamination disc**
- 6 6A50 AeroLink Connector**  
with connection option for the Harmony System
- 7 6A54 Sliding Adapter**

(6A53 Sliding Adapter not illustrated)

\*Source: "A new trim line concept for trans-tibial amputation prosthetic sockets", Bengt Söderberg (2002)



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## 6Y100 Aerolink hybrid liner with vacuum flap

The AeroLink system is used with the first hybrid liner by Ottobock. Joined using a special process, the AeroLink Hybrid Liner combines two liner materials and their favourable properties. The interior is made of polyurethane and protects the residual limb and bony structures thanks to its shock absorbing characteristics. At the same time, it ensures optimum pressure distribution across the entire residual limb, both for passive and active generation of the vacuum. The outside of the liner and the integrated vacuum flap are made of silicone, proven in everyday use thanks to its robustness. This is particularly important when the vacuum flap is folded over the inner socket to create an airtight seal for the system.

Order example

Reference Number	=	Size	x	Length
6Y100	=	280	x	125

Reference number	6Y100											
Connection	without distal connection											
Residual limb circumference	160 - 185 mm	180 - 205 mm	200 - 220 mm	210 - 230 mm	220 - 240 mm	236 - 260 mm	250 - 275 mm	265 - 290 mm	280 - 310 mm	305 - 330 mm	325 - 350 mm	345 - 370 mm
Size	160 mm	180 mm	200 mm	210 mm	220 mm	235 mm	250 mm	265 mm	280 mm	300 mm	320 mm	340 mm
Length	75 mm, 125 mm, 175 mm, 225 mm											

Bonding length: to determine the bonding length between the two materials, the distance from the Tuberositas Tibiae to the residual limb end is measured. Then the next shorter length is chosen.



## 6A50 Aerolink connector

The AeroLink Connector has two functions in the system: the pin forms the mechanical connection between the inner and outer socket, while the valve integrated in the pin generates the vacuum in the inner socket.

Furthermore, the AeroLink System features a hose fitting where an electronic or mechanical Harmony pump can be connected without modifying the socket.



Article number	6A50
Max. body weight	125 kg

## 6A53/6A54 Sliding adapter

Two adjustable sliding adapters are available for correct prosthetic alignment. The slim design and low structural height simultaneously ensure an excellent cosmetic appearance.



<b>Article number</b>	<b>6A53/6A54</b>
<b>for</b>	6A53 Below knee 6A54 Below knee & Above knee
<b>Displacement</b>	20 mm
<b>Max. body weight</b>	125 kg



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 646D707

## 4R152 Harmony E2

The quietest electronic pump on the market, the Harmony E2 offers high vacuum levels, resistance to dust and sweat, and submersibility in water. It's also the first removable vacuum solution: whether for charging, weight reduction, or switching between legs, the integrated valve keeps the vacuum secure.

The Harmony E2 provides ideal volume management, enhanced suspension and reduced forces in the socket. Add an Anatomic 3D Liner, a ProFlex Sleeve, and a Triton foot for comfort and confidence in one complete package.

- Max. vacuum is 22 inHG (750 mbar)



Designation	Harmony E2	4-hole adapter plate
<b>Material</b>	-	Aluminium
<b>System height</b>	95 mm	22 mm
<b>Weight</b>	185 g	125 g
<b>Max. body weight</b>	-	150 kg
<b>Operating temperature</b>	-10 to +60 °C	-
<b>Operating voltage</b>	100 - 240 V *	-
<b>Power supply operating frequency</b>	50 -60 Hz	-
<b>Charging temperature</b>	0 -45 °C	-

\* Operation voltage of the charger



## 4R147 Harmony P3

“Less is More” was the major goal for the redesign of the mechanical Harmony system in regards to weight, height and complexity.

Development of the Harmony P3 accomplished all these goals. The new, slim pump weighs only 399 g (0.88 lbs), which is a 20% reduction in weight, and also features a reduced system height. This allows more users to benefit from the advantages of the vacuum system.

The core function of the Harmony P3 is provided by a functional ring. It provides the pump function, absorbs vertical shocks and allows for natural rotation. The functional rings can be easily adjusted or exchanged to meet the user's needs. The 3-in-1 functional rings also make it possible to service the Harmony P3 in the field.

- Certification is required to fit the Harmony system.



 647H14



Article number	4R147=0	4R147=1	4R147=2	4R147=3	4R147=4	4R147=5	4R147=6	4R147=7
Mobility grade	2 - 4							
Material	Steel, Titanium							
Distal connection	Tube clamp 34 mm							
Proximal connection	Pyramid Receiver							
Size	0	1	2	3	4	5	6	7
Recommended for body weight	40 - 47 kg	48 - 55 kg	56 - 65 kg	66 - 75 kg	76 - 87 kg	88 - 100 kg	101 - 112 kg	113 - 125 kg
System height	95 mm							
Weight	399 g							
Scope of delivery	Pump with pre-assembled functional ring, plus socket connection and sound absorber							
Max. body weight	125 kg							

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## Service parts



### 4X147 Functional ring for Harmony P3

Article number	Consisting of	Body weight	Functional ring stiffness
<b>4X147=0</b>	Functional ring incl. 2 valves, 2 O-rings, washer and lubricant	40 - 47 kg	0
<b>4X147=1</b>	Functional ring incl. 2 valves, 2 O-rings, washer and lubricant	48 - 55 kg	1
<b>4X147=2</b>	Functional ring incl. 2 valves, 2 O-rings, washer and lubricant	56 - 65 kg	2
<b>4X147=3</b>	Functional ring incl. 2 valves, 2 O-rings, washer and lubricant	66 - 75 kg	3
<b>4X147=4</b>	Functional ring incl. 2 valves, 2 O-rings, washer and lubricant	76 - 87 kg	4
<b>4X147=5</b>	Functional ring incl. 2 valves, 2 O-rings, washer and lubricant	88 - 100 kg	5
<b>4X147=6</b>	Functional ring incl. 2 valves, 2 O-rings, washer and lubricant	101 - 112 kg	6
<b>4X147=7</b>	Functional ring incl. 2 valves, 2 O-rings, washer and lubricant	113 - 125 kg	7

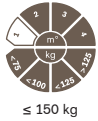
• For information on ordering additional single components, please see the pages 98-99.

### 4X148 Harmony P3 service set

<b>Article number</b>	<b>4X148</b>
<b>Scope of delivery</b>	Washers (2x small, 2x large), 3 O-rings, lubricant

## 4R150 Harmony system HD

Recommended for heavy duty purposes, either heavy body weight or high level of activity. The rotation function can be blocked on the Harmony HD unit by OB Service if required. The 4R150 Harmony System HD must be used in conjunction with the 4R54 Socket Adapter with Pyramid Adapter.



$\leq 150$  kg

<b>Article number</b>	<b>4R150</b>
<b>Mobility grade</b>	2 - 4
<b>Material</b>	Aluminium, Steel
<b>Distal connection</b>	Pyramid Receiver
<b>Proximal connection</b>	4-hole connection
<b>System height</b>	135 (incl. 4R54, not illustrated) mm
<b>Weight</b>	640 g
<b>Max. body weight</b>	150 kg

• Certification is required to fit the Harmony system.



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## 755E20=230 Harmony vacuum pump set

The Harmony vacuum pump set is used for the fabrication of the plaster cast in vacuum technique

<b>Article number</b>	<b>755E20=230</b>
-----------------------	-------------------

## consisting of

### 683G1=10 Latex casting bags

For fabrication of the plaster cast in vacuum technique.

<b>Article number</b>	<b>683G1=10</b>
<b>Size</b>	Set mit je 1× Small, Medium und Large

### 755Z19=230 Vacuum pump

Completely equipped with a fine regulating valve, a vacuum gauge and a silencer.

<b>Article number</b>	<b>755Z19=230</b>
<b>Final vacuum</b>	absolute 240 mbar
<b>Delivery rate</b>	11.5 l/min
<b>Dimensions LxWxH</b>	187/157/90 mm
<b>Electrical connection in V/Hz/kW</b>	230/50/0.065
<b>Weight</b>	2.5 kg
<b>Colour (RAL)</b>	9002 grey-white

- Always use vacuum pump in conjunction with 755Z20=2 Filter.

### 625P1=1.0 Fuse link, slow-blowing

as replacement fuse

<b>Article number</b>	<b>625P1=1.0</b>
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### 616R2=10X2 PVC suction hose

transparent

<b>Article number</b>	<b>616R2=10X2</b>
<b>Outside Ø</b>	10 mm
<b>for</b>	755E6=* Ottobock vacuum machine
<b>Weight</b>	0.06 kg/m

### 755Y16=1/4"X6 Threaded hose nozzle

Brass, for hose connection, 6mm, thread R1/4", spanner size 17

<b>Article number</b>	<b>755Y16=1/4"X6</b>
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### 683G1=1 Water trap

<b>Article number</b>	<b>683G1=1</b>
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## 683G1=5 Exhaust tubing

<b>Article number</b>	<b>683G1=5</b>
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## 755Z20=2 Filter

<b>Article number</b>	<b>755Z20=2</b>
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<b>Weight</b>	0.015 kg
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## 662F2 Bag

<b>Article number</b>	<b>662F2</b>
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<b>for</b>	755E20=230
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### 616S134 Spots

The spots are PU cushions used to compensate for variations in residual limb volume within the socket.

Article number	616S134=1	616S134=2	616S134=3	616S134=4	616S134=5
Ø	6 cm	9 cm	10 cm	12 cm	14 cm
Size	1	2	3	4	5
Packaging	1 pcs.				



### 616S132 Sticky spots

Same as 616S134 Spots, with additional adhesive coating for permanent adjustment of the residual limb volume.

Article number	616S132=1	616S132=2	616S132=3	616S132=4	616S132=5
Ø	6 cm	9 cm	10 cm	12 cm	14 cm
Size	1	2	3	4	5
Packaging	1 pcs.				



### 451F20 Liner fit kit

Article number	451F20
Scope of delivery	1 x 616S134=1 Spot 1 x 616S134=2 Spot 2 x 451F21=M Nylon Protective Sleeve 1 x 646C121 Harmony Fit Kit Video 1 x 451F18=2 Half Cotton Sock/medium 1 x 451F19=2 Half Cotton Sock/large 1 x 451F18=1 Cotton Sock/medium 1 x 451F19=1 Cotton Sock/large



### 4R128-1 Harmony complete installation kit

Contains all components for the maintenance and service of the P2, DP and HD Harmony pumps.

Article number	4R128-1
Scope of delivery	4Y310 Lock Rings, 10 pcs. 4Y350 Right-Angled Socket Attachment Block SL=4Y344 Straight Socket Attachment Block SL=40P074 Adjustment Block SL=2300-7167 Set Screw SL=2300-7174 Washers 4Y360=5 Hoses for Harmony Exhaust Valve 4Y348 Yellow Elastomer Rod 4Y347 Red Elastomer Rod 4Y309 Hose 4Y319=3 Protective Tube 4Y345 Exhaust Valves (on Harmony) 4Y346 Intake Valves (on Harmony)

## 453H1=1 Lubricating cream

Increases the flow properties of PUR liners. Recommended use in conjunction with PUR liners (without textile).

<b>Article number</b>	<b>453H1=1</b>
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## 2R119 Vacuum connector

Easy-to-use vacuum connector for the connection between the socket and Harmony pump. The design is based on the PushValve and therefore makes it much easier to apply the prosthesis.

<b>Article number</b>	<b>2R119</b>
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## 2R117=0 Socket connector

Alternative, slim socket connector (connection between the socket and Harmony pump) with low structural height and rounded edges.

<b>Article number</b>	<b>2R117=0</b>
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► For use with SL=P091 PU Adhesive.



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## 453A2 Derma protection sealing sleeve

The 453A2 Derma Protection Sealing Sleeve is a basic and durable sealing sleeve made from a tear-resistant copolymer gel and finished with a textile cover. The 453A2 Derma Protection Sealing Sleeve is mostly used as the primary suspension system or with a valve or Harmony System, and is suitable for amputees with a low to medium activity level.

Article number	453A2=1	453A2=2	453A2=3	453A2=4
Size	1	2	3	4
Length	~30 cm	~32 cm	~33 cm	
Knee centre circumference	24 – 32 cm	30 – 40 cm	34 – 44 cm	42 – 56 cm



Derma ProFlex is an anatomically shaped sealing sleeve made from a hard-wearing copolymer (TPE) with outer textile.

The anatomical shape results from a combination of 3 different features:

- Pre-flexion of 15° for easier knee flexion and reduced formation of wrinkles in the hollow of the knee
- Conical shape for comfortable pressure distribution in the area of the thigh and optimal adhesion to the prosthetic socket
- Pre-shaped patella section for reduced pressure on the patella during the entire range of movement

The interplay of these 3 factors provides for a previously unmatched level of functionality and wearer comfort for the user.

The Derma ProFlex knee sleeve can be used as the primary suspension system or with a valve or the Harmony system. It is suitable for users with a low to high activity level.

## 453A3 Derma ProFlex sealing sleeve

Order example

Reference number	=	Size	-	Colour
453A3	=	2	-	7

Reference number	453A3		
Size	1	2	3
Knee centre circumference	24 – 32 cm	30 – 40 cm	36 – 47 cm
Circumference 20 cm proximal to knee centre	34 – 46 cm	40 – 54 cm	48 – 66 cm
Colour	silver, black (7)		

- Thigh length from MPT to proximal brim approx. 26 cm

## 453A4 Derma ProFlex sealing sleeve, short

Order example

Reference number	=	Size	-	Colour
453A4	=	2	-	7

Reference number	453A4		
Size	1	2	3
Knee centre circumference	24 – 32 cm	30 – 40 cm	36 – 47 cm
Circumference 20 cm proximal to knee centre	34 – 46 cm	40 – 54 cm	48 – 66 cm
Colour	silver, black (7)		

- Thigh length from MPT to proximal brim approx. 26 cm



The Harmony sealing sleeve provides an excellent vacuum seal and is covered with a durable abrasion-resistant textile. It includes the gaiter sleeve protector to extend its life and retain its sealing properties. The Harmony sealing sleeve is mostly used with the Harmony System or a valve, and is suitable for users with a moderate to high activity level.

► incl. 454A11 Gaiter

### 454A7 Harmony sealing sleeve, cylindrical



Article number	454A7=1	454A7=2	454A7=3	454A7=4	454A7=5
Size	1	2	3	4	5
Knee centre circumference	28 – 35.6 cm	30 – 37.5 cm	33 – 40.5 cm	35.5 – 43 cm	38 – 50.5 cm

### 454A8 Harmony sealing sleeve, conical

Article number	454A8=1	454A8=2	454A8=3	454A8=4	454A8=5	454A8=6	454A8=7
Size	1	2	3	4	5	6	7
Knee centre circumference	25.5 – 33 cm	30.5 – 37 cm	33 – 39 cm	37 – 44.5 cm	43 – 51 cm	48 – 58.5 cm	56 – 66 cm
Circumference 20 cm proximal to knee centre	35 – 43 cm	41 – 50 cm	44 – 54 cm	49 – 56 cm	53 – 66 cm	60 – 70 cm	66 – 75 cm

### 452A1 ProSeal ring

Proximal sealing system for TF vacuum sockets.  
Recommended in combination with the 6Y81 ProSeal SIL Liner.

Order example

Reference number	=	Proximal circumference
452A1	=	320

Reference number	452A1
Proximal circumference	320 mm, 340 mm, 360 mm, 380 mm, 400 mm, 420 mm, 440 mm, 460 mm, 480 mm, 500 mm, 520 mm, 540 mm, 560 mm, 580 mm, 600 mm, 640 mm
Scope of delivery	Sealing ring, fixation ring, lamination dummy



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## Shuttle Lock

### Application example



Always position the shuttle lock in the extension of the residual limb (blue line), never in the alignment reference line (red line).



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### 6A20=10 Shuttle Lock with pyramid adapter

#### Serrated pin

- coated aluminium housing
- Easy to unlock ratchet unit, even under tensile load
- Continuously variable locking mechanism for secure support
- Adjustable: engages silently or audibly



<b>Article number</b>	<b>6A20=10</b>
<b>Distal connection</b>	Pyramid Adapter
<b>System height</b>	25 mm
<b>Max. body weight</b>	125 kg

- Enclosed: lamination anchor for integration into the laminate.



647H218



### 6A20=20 Shuttle Lock with adjustment screw

#### Serrated pin

- Especially well suited for transtibial prostheses on long residual limbs or transfemoral prostheses
- coated aluminium housing
- Easy to unlock ratchet unit, even under tensile load
- Continuously variable locking mechanism for secure support
- Shorter pin
- Adjustable: engages silently or audibly



<b>Article number</b>	<b>6A20=20</b>
<b>Distal connection</b>	Adjustment Screw
<b>System height</b>	79 mm
<b>Max. body weight</b>	125 kg

- Enclosed: lamination anchor for integration into the laminate.

## 6A20=30 Shuttle Lock with pyramid adapter

### Smooth pin

- Coated aluminium housing
- Easy donning and doffing of the prosthesis
- Continuously variable locking mechanism for secure support



<b>Article number</b>	<b>6A20=30</b>
<b>Distal connection</b>	Pyramid Adapter
<b>Max. body weight</b>	100 kg

- Enclosed: lamination anchor for integration into the laminate.



 647H328



## 6A30=10 Shuttle Lock

### Serrated pin

- Coated aluminium housing
- Easy to unlock ratchet unit, even under tensile load
- Continuously variable locking mechanism for secure support
- Adjustable: engages silently or audibly

<b>Article number</b>	<b>6A30=10</b>
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 647G415



## 6A30=20 Shuttle Lock

### Waterproof and corrosion-resistant

- Serrated pin
- Lightweight plastic housing, therefore suitable for use in bathing prostheses (Aqualine)
- Easy to unlock ratchet unit, even under tensile load
- Continuously variable locking mechanism for secure support
- Adjustable: engages silently or audibly

<b>Article number</b>	<b>6A30=20</b>
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647G931



## 6A40 MagnoFlex Lock

Straightforward pin guide thanks to the unique combination of a flexible pin and a Shuttle Lock housing with integrated magnet

- The straightforward pin guide eliminates the arduous task of searching for the opening in the Shuttle Lock
- 1-step fabrication: quick and straightforward integration into the prosthesis
- The use of high-performance polyamide reduces the weight of the prosthesis while offering great durability
- With the valve 6A42 the fitting can be converted to a suction system quickly and easily
- The optional sliding plate makes it easier to optimise the prosthesis settings

Area of application:

- Transfemoral and transtibial amputation
- Check sockets and definitive fittings



<b>Article number</b>	<b>6A40</b>
<b>Distal connection</b>	4-hole
<b>System height</b>	25 mm
<b>Max. body weight</b>	125 kg

## MagnoFlex lock accessories



### 6A42 Valve for shuttle lock

The valve is easy to glue into the opening of the shuttle lock housing. It serves to generate a vacuum in the socket. (A sealing sleeve is needed as the proximal seal.)

For use in check sockets and definitive fittings.

<b>Article number</b>	<b>6A42</b>
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### 6A41 Slider plate for MagnoFlex lock

Area of application

- Transfemoral and transtibial amputation
- Check sockets and definitive fittings



<b>Article number</b>	<b>6A41</b>
<b>Displacement</b>	Slide travel 12mm and 24mm
<b>Max. body weight</b>	125 kg

## 6A43 MagnoFlex Lock socket attachment block

Area of application:

- Transfemoral and transtibial amputation
- Check sockets and definitive fittings



<b>Article number</b>	<b>6A43</b>
<b>for</b>	6A40
<b>Max. body weight</b>	125 kg

## 6Y13=F1 Flexible pin for MagnoFlex lock

<b>Article number</b>	<b>6Y13=F1</b>
<b>Length</b>	47.8 mm
<b>for</b>	6A40

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## Accessories

### 6Y13=1 Pin

<b>Article number</b>	<b>6Y13=1</b>
<b>Length</b>	49.5 mm
<b>for</b>	6A20=10, 6A30=10, 6A30=20

### 6Y13=2 Pin, short

<b>Article number</b>	<b>6Y13=2</b>
<b>Length</b>	31 mm
<b>for</b>	6A20=20

### 6Y13=3 Pin, smooth

<b>Article number</b>	<b>6Y13=3</b>
<b>Length</b>	48 mm
<b>for</b>	6A20=30

### 6Y13=L1 Pin, long

<b>Article number</b>	<b>6Y13=L1</b>
<b>Length</b>	68.7 mm
<b>for</b>	6A20=10, 6A30=10, 6A30=20

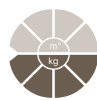


647G179

### 5R2 Lamination disc

#### Aluminium

The 5R2 Lamination Disc can be combined with various Ottobock socket adapters as well as the 6A30=20 Shuttle Lock system.



≤ 150 kg

<b>Article number</b>	<b>5R2</b>
<b>Material</b>	Aluminium
<b>System height</b>	9 mm
<b>Weight</b>	70 g
<b>Max. body weight</b>	150 kg

- The 4X86 Lamination Dummy has to be used for laminating. It is enclosed with the lamination disc.

## Single components as replacement parts

Article number	6A20=10	6A20=20	6A20=30	6A30=10	6A30=20	6A40
<b>4R111=N</b> Lamination anchor with threaded connector	■	■	■			
<b>5X55</b> Dummy set with screw	■	■	■			
<b>5X67</b> Push button			■			
<b>5X108</b> Dummy set					■	
<b>5X120</b> Shuttle housing with bushing					■	
<b>5X125</b> Dummy set				■		
<b>5X440</b> Lamination protection for pin	■	■	■	■	■	
<b>6A43</b> MagnoFlex Lock socket attachment block						■
<b>6A51=10</b> Shuttle lock housing with pyramid adapter	■					
<b>6A51=20</b> Shuttle lock housing with adjustment screw		■				
<b>6A51=30</b> Shuttle lock housing with pyramid adapter			■			
<b>6A52</b> Ratchet unit	■	■		■		
<b>6A52=30</b> Release button			■			
<b>6A52=K</b> Ratchet unit					■	■
<b>6A61</b> Push button for 6A52	■	■		■	■	
<b>6Y13=1</b> Pin	■			■	■	
<b>6Y13=2</b> Pin, short	■	■		■	■	
<b>6Y13=3</b> Pin, smooth			■			
<b>6Y13=F1</b> Flexible pin for MagnoFlex lock						■
<b>6Y13=L1</b> Pin, long	■			■	■	
<b>506G21=M4x10</b> Set screw					■	

■ can be ordered individually

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## KISS Lanyard Systems

The patented 4R160=1 and 4R160=2 KISS Lanyard systems are socket connection systems for transfemoral amputations.

### Features & Benefits

- Proximal and distal connection between the socket and liner
- > Reduced pistoning and rotational movements
- Can be donned while sitting
- > Therefore particularly well suited for geriatric users and users with a low mobility grade



The Delrin KISS Kit requires a socket adapter to connect it to the modular system.

### Application:

- Contracted residual limbs
- Carbon frame sockets in combination with ThermoLyn soft

<b>Article number</b>	<b>4R160=1</b>
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646D336 647H529



The 4-hole endoskeletal KISS Kit features a direct connection to the modular system.

### Application:

- Residual limb positions approximately equivalent to the alignment reference line
- Sockets that are completely laminated from ThermoLyn soft without using an inner socket

<b>Article number</b>	<b>4R160=2</b>
<b>Max. body weight</b>	150 kg (330 lbs)

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## Spare parts

### 4R163 KISS delrin base

<b>Article number</b>	<b>4R163</b>
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### 4R164 KISS 4-hole base

<b>Article number</b>	<b>4R164</b>
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### 4R165 KISS distal straps (2 pcs)

<b>Article number</b>	<b>4R165</b>
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### 4R166 KISS proximal straps (2 pcs)

<b>Article number</b>	<b>4R166</b>
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4R167 KISS proximal nut and screw (set)

Article number	4R167
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4R175 KISS Velcro Placard (Set w/ screw and nut)

Article number	4R175
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4R174 KISS Distal screws (2 pcs)

Article number	4R174
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## Threadless valves for transfemoral amputation

### 21Y21 ClickValve

(with safety leash in grey)

The ClickValve features a safety leash to avoid losing the upper valve part. Multi-option means:


- Complete use of the safety leash, OR
- Use of the upper grip section, OR
- No use of the safety leash

The significant height and outer diameter reduction as well as the unique design ensure good cosmetic processing in the socket.

Advantages for prosthetists and users:

- Conical shape for easy insertion in the lower valve part
- Safety leash avoids losing the upper valve part
- The "click" offers audible feedback for proper valve positioning
- Risk of haematoma is alleviated thanks to lateral air exhaust openings and a flush inside socket surface
- Straightforward and time-saving installation
- Good cosmetic aspect



 647G678



<b>Article number</b>	<b>21Y21=T</b>
<b>Area of application</b>	Transfemoral amputation

### 21Y14 PushValve

The PushValve is opened and closed by pressing together two wings. Due to the higher dimension, it is especially well suited for users with limited finger mobility and for arm prosthesis wearers.



 647H530



<b>Reference number</b>	<b>21Y14</b>
<b>Area of application</b>	Transfemoral amputation

### 21Y15 MagValve

The MagValve has a low structural height and is closed with magnetic force.



 647H530



<b>Reference number</b>	<b>21Y15</b>
<b>Area of application</b>	Upper and Lower Limbs

## Accessories/spare parts

21Y230=0 ClickValve safety leash, beige

Article number	21Y230=0
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21Y230=1 ClickValve safety leash, grey

Article number	21Y230=1
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21Y21=T ClickValve Upper part

Article number	21Y21=T
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21Y21=B ClickValve base

Article number	21Y21=B
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627F13=24.5X3 O-Ring for ClickValve, black

Article number	627F13=24.5X3
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627F13=19x2 O-Ring for ClickValve upper valve part, blue

Article number	627F13=19x2
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21Y14=S Pushvalve upper part

Article number	21Y14=S
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21Y15=S Magvalve upper part

Article number	21Y15=S
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## Threaded valve set for transfemoral amputation



### 21Y12 Threaded valve set

<b>Article number</b>	<b>21Y12</b>
<b>Area of application</b>	Transfemoral amputation

## Service part



### 21Y222 Two hole pin wrench for 21Y14, 21Y15, 21Y12 and 21Y21

already included in 21Y12, 21Y14, 21Y15 and 21Y21

<b>Article number</b>	<b>21Y222</b>
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## Flat valve sets for transfemoral amputation



### 21Y96 Valve set

<b>Article number</b>	<b>21Y96</b>
<b>Outside Ø</b>	40 mm
<b>for</b>	Interim socket
<b>Consisting of</b>	Flat rubber valve, insert ring, O-ring, fixing ring, plastic screw disc
<b>for hole Ø</b>	24 mm
<b>Substance of content</b>	contains nickel



### 21Y97 Valve set

<b>Article number</b>	<b>21Y97</b>
<b>Outside Ø</b>	40 mm
<b>for</b>	flexible residual limb socket
<b>Consisting of</b>	Flat rubber valve, insert ring, valve seat with tube, lamination ring, sealing ring, vacuum forming pattern, casting pattern, screw, flat head screw and plastic screw disc
<b>for hole Ø</b>	24 mm
<b>Substance of content</b>	contains nickel

## 21Y105 Valve set

<b>Article number</b>	<b>21Y105</b>
<b>Outside Ø</b>	40 mm
<b>for</b>	flexible residual limb socket
<b>Consisting of</b>	Flat rubber valve, insert ring, lamination ring, sealing ring, vacuum forming pattern, casting pattern, screw, flat head screw and plastic screw disc
<b>for hole Ø</b>	24 mm
<b>Substance of content</b>	contains nickel



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## Valves - single parts for flat falves

### 21Y140 Flat silicone valve

with thumb flap, without seat ring

<b>Article number</b>	<b>21Y140</b>
<b>Seat ring outside Ø</b>	40 mm
<b>for hole Ø</b>	24 mm
<b>Substance of content</b>	contains nickel



### 21Y123=40 Flat rubber valve

<b>Article number</b>	<b>21Y123=40</b>
<b>for</b>	for contact socket, with thumb flap, without seat ring
<b>Seat ring outside Ø</b>	40 mm
<b>for hole Ø</b>	24 mm
<b>Substance of content</b>	contains nickel



### 21Y94 Flat rubber valve

<b>Article number</b>	<b>21Y94</b>
<b>for</b>	for contact socket, with 50 mm socket attachment, thumb flap and seat ring
<b>Seat ring outside Ø</b>	40 mm
<b>for hole Ø</b>	24 mm
<b>Substance of content</b>	contains nickel



### 21Y95 Flat rubber valve

with automatic air outlet, with seat ring

<b>Article number</b>	<b>21Y95</b>
<b>Seat ring outside Ø</b>	40 mm
<b>for hole Ø</b>	24 mm
<b>Substance of content</b>	contains nickel



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### 21Y41 Seat ring

<b>Article number</b>	<b>21Y41=32</b>	<b>21Y41=40</b>
<b>Outside Ø</b>	32 mm	40 mm
<b>for</b>	flat rubber valves	
<b>for hole Ø</b>	20 mm	24 mm



### 21Y77 Connecting tube with seat ring

<b>Article number</b>	<b>21Y77</b>
<b>Outside Ø</b>	28 mm
<b>for</b>	For valves with 40 mm outside Ø
<b>Tube inside Ø</b>	24 mm



### 99B13 PVC connection tube

as a connection channel between the inner and outer socket

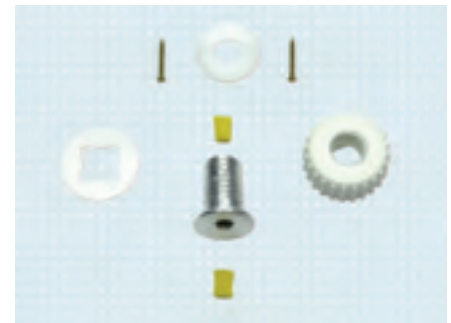
<b>Article number</b>	<b>99B13=16</b>	<b>99B13=16-7</b>	<b>99B13=21</b>	<b>99B13=21-7</b>
<b>Ø</b>	16 mm		21 mm	
<b>Colour</b>	Skin colour	Black	Skin colour	Black

## Valves for transfemoral amputation

### 4R140 One-way valve

The 4R140 One-way Valve suitable for the fabrication of vacuum socket systems. It is integrated directly in the socket. The 4R140 Discharge Valve is only for use with transtibial prosthetic fittings.

<b>Article number</b>	<b>4R140</b>
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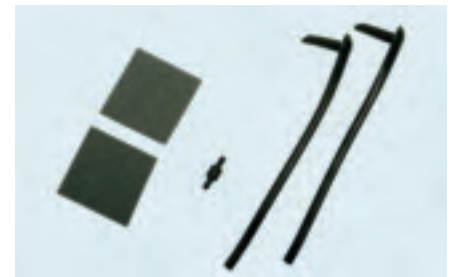
 647G148




### 4R136=EL V4 Easyline valve kit

The V4 EasyLine Valve Kit is suitable for fabricating vacuum socket systems and represents an advancement of the proven 4R136 V4 Valve Kit. Installation is simplified thanks to the reduced number of components. Consisting of a socket connector and plastic valve, it helps create a secure and functional discharge valve solution.

<b>Article number</b>	<b>4R136=EL</b>
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 647G529



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## Derma Seal residual limb socks

The Derma Seal residual limb socks are the ideal solution for transtibial amputees. The socks are coated with a copolymer gel. (TPE)  
The viscous nature of the gel reduces chafing, pressure and strain on the skin and thus offers increased comfort in the prosthetic socket. The gel coating represents another advantage: the polymer gel contains a medical-grade mineral oil which is especially skin-friendly and keeps the skin supple.



### 453D7 Derma Seal

This sock is made of nylon stretch fabric and is coated with a soft polymer gel.

647H106

Article number	453D7=1	453D7=2	453D7=3	453D7=4	453D7=5	453D7=6	453D7=7	453D7=8
<b>Sock length</b>	30 cm	40 cm	40 cm	45 cm	45 cm	50 cm	50 cm	50 cm
<b>Gel length</b>	20 cm	25 cm	25 cm	33 cm	25 cm	33 cm	33 cm	33 cm
<b>Distal circumference</b>	16-22 cm	18-26 cm	20-31 cm	20-31 cm	23-35 cm	23-35 cm	27-40 cm	30-48 cm
<b>Proximal circumference</b>	16-25 cm	18-30 cm	20-35 cm	20-35 cm	23-40 cm	23-40 cm	27-45 cm	30-53 cm

\* Possible deviation: ± 10 %



### 453D4 Derma Seal forte

The CoolMax® fabric offers increased durability and wearer comfort. The soft polymer gel is applied to the inside of the textile material.

647H106

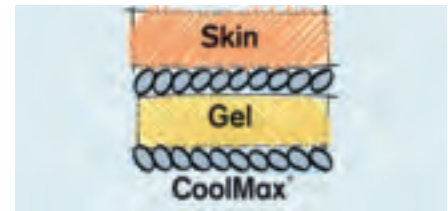
Article number	453D4=1	453D4=2	453D4=3	453D4=10	453D4=20
<b>Sock length</b>	30 cm	30	40 cm	65 cm	75 cm
<b>Gel length</b>	25 cm	25 cm	30 cm	25 cm	30 cm
<b>Distal circumference</b>	15 – 22 cm	20 – 26 cm	20 – 26 cm	15 – 22 cm	20 – 26 cm
<b>Proximal circumference</b>	20 – 32 cm	28 – 42 cm	28 – 45 cm	20 – 32 cm	28 – 42 cm

\* Possible deviation: ± 10 %



## 453D5 Derma Seal Double Forte

This sock consists of two CoolMax® fabric layers. The soft polymer gel is applied between these two textile layers. This makes it even more durable.



 647H106

Article number	453D5=1	453D5=2	453D5=3	453D5=10	453D5=20
Sock length	30 cm	30 cm	40 cm	65 cm	75 cm
Gel length	25 cm	25 cm	30 cm	25 cm	30 cm
Distal circumference	15 – 20 cm	20 – 24 cm	20 – 24 cm	15 – 20 cm	20 – 24 cm
Proximal circumference	20 – 28 cm	28 – 40 cm	28 – 43 cm	20 – 28 cm	28 – 40 cm

\* Possible deviation: ± 10 %

## 453D2 Derma Seal Trans Ped

This very stretchable sock is for Lisfranc/Chopart partial foot amputees. The Trans Ped is seamlessly knitted and made of 95% polyester and 5% Lycra® Spandex. The distal area inside the sock features a soft polymer gel layer, which protects this area from chafing, pressure and loading forces.



 647H107

Article number	453D2=N	453D2=XL
Size	standard	extra lang
Sock length	22 cm	50 cm

Lycra® is a registered trademark of DuPont.

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## Residual limb socks



### 451F2 Terry cloth residual limb sock

white, soft terry cloth,  
Transtibial fitting

Article number	451F2=20	451F2=25	451F2=30	451F2=35	451F2=40	451F2=45	451F2=50	451F2=60	451F2=80
<b>Material</b>	85% cotton, 15% polyamide								
<b>Length</b>	20 cm	25 cm	30 cm	35 cm	40 cm	45 cm	50 cm	60 cm	80 cm
<b>Colour brim</b>	Green	navy	Yellow	royal blue	Brown	Black	Orange	Red	White



### 451F3 Cotton residual limb sock

white, fine and thin,  
Transtibial fitting

Article number	451F3=20	451F3=25	451F3=30	451F3=35	451F3=40	451F3=45	451F3=50	451F3=60
<b>Material</b>	80% cotton, 17% polyamide, 3% Lycra®							
<b>Length</b>	20 cm	25 cm	30 cm	35 cm	40 cm	45 cm	50 cm	60 cm
<b>Colour brim</b>	Green	navy	Yellow	royal blue	Brown	Black	Orange	Red



### 451F4 Nylon residual limb sock for liners with connection

white, with vulcanised ring,  
transtibial and transfemoral fittings

Article number	451F4=11-30	451F4=11-40	451F4=20-30	451F4=20-40
<b>Material</b>	90% polyamide, 10% Lycra®			
<b>Length</b>	30 cm	40 cm	30 cm	40 cm
<b>Amputation level</b>	transtibial (11)		transfemoral (20)	

## 451F6 Terry cloth residual limb sock for liners with distal connection

white, with vulcanised ring,  
transtibial and transfemoral fittings

Article number	451F6=11-30	451F6=11-40	451F6=20-30	451F6=20-40
<b>Material</b>	85% cotton, 15% Lycra®			
<b>Length</b>	30 cm	40 cm	30 cm	40 cm
<b>Amputation level</b>	transtibial (11)		transfemoral (20)	



## 451F21 Nylon protective sleeve

transtibial fittings,  
proximal double seam

Article number	451F21=S	451F21=M	451F21=L
<b>Size</b>	S	M	L
<b>Length</b>	25.5 cm	33 cm	40.5
<b>Proximal circumference</b>	20 cm	22 cm	23 cm



## 451U9 Nylon protective sleeve

Transtibial fitting

Article number	451U9=25	451U9=35	451U9=45	451U9=60	451U9=65
<b>Length</b>	25 cm	35 cm	45 cm	60 cm	65 cm
<b>Width of coarse seam</b>	17 cm				
<b>for circumferences below the knee</b>	up to 35 cm				
<b>Shape</b>	D				



## 451U1 Woolen residual limb sock

Transtibial fitting

Article number	451U1=35	451U1=45	451U1=60
<b>Material</b>	70% new wool, 30% rayon		
<b>Length</b>	35 cm	45 cm	60 cm
<b>Colour brim</b>	royal blue	Black	pink



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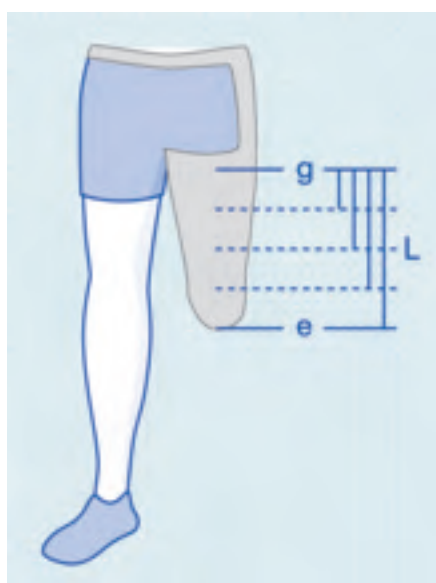
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## Residual limb compression socks

Residual limb compression socks offer significant assistance during postoperative residual limb care. They ensure constant pressure on the residual limb, which decreases from distal to proximal, while at the same time offering a high level of wearer comfort for the user.

Residual limb compression socks can be used by transtibial and transfemoral amputees. Application is quick and easy.

Residual limb compression socks should only be used when prescribed by a physician and only issued by trained, authorised personnel. In order to extend the lifespan of the socks, we recommend that you wear rubber gloves when putting the socks on and taking them off. This ensures that the socks are not damaged by fingernails or jewellery.



### 451F12 / 451F11 Compression residual limb sock

Transfemoral fitting with hip attachment

Order example

Reference number	=	Size	-	Length
451F12	=	XS	-	20

Reference number	451F12					
Size	XS	S	M	L	XL	XXL
compression class	KKL1					
Lengths (L) g-e	20 cm, 25 cm, 30 cm, 35 cm					
Circumference e	29 – 31 cm	31 – 34 cm	34 – 37 cm	37 – 40 cm	40 – 43 cm	43 – 46 cm
Circumference g	41 – 44 cm	44 – 48 cm	48 – 52 cm	52 – 56 cm	56 – 60 cm	60 – 64 cm

Order example

Reference number	=	Size	-	Length
451F11	=	XS	-	20

Reference number	451F11					
Size	XS	S	M	L	XL	XXL
compression class	KKL2					
Lengths (L) g-e	20 cm, 25 cm, 30 cm, 35 cm					
Circumference e	29 – 31 cm	31 – 34 cm	34 – 37 cm	37 – 40 cm	40 – 43 cm	43 – 46 cm
Circumference g	41 – 44 cm	44 – 48 cm	48 – 52 cm	52 – 56 cm	56 – 60 cm	60 – 64 cm

## 451F13 / 451F10 Compression residual limb sock

Transtibial fitting with silicone adhesive strip

Order example

<b>Reference number</b>	<b>=</b>	<b>Size</b>	<b>-</b>	<b>Length</b>	<b>-</b>	<b>N</b>
<b>451F13</b>	<b>=</b>	<b>XS</b>	<b>-</b>	<b>30</b>	<b>-</b>	<b>N</b>

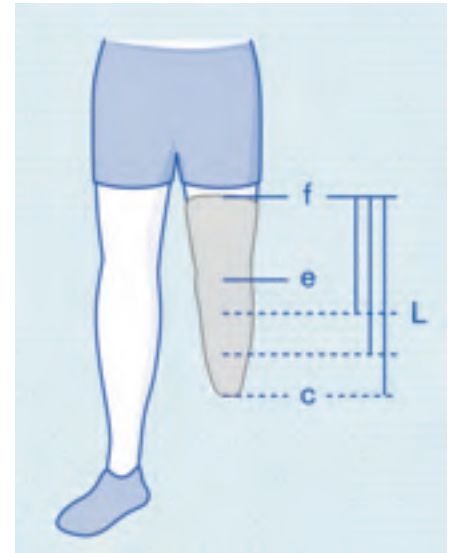
<b>Reference number</b>	<b>451F13</b>					
<b>Size</b>	XS	S	M	L	XL	XXL
<b>compression class</b>	KKL1					
<b>Lengths (L) g-e</b>	30 cm, 38 cm, 46 cm					
<b>Circumference f</b>	39 – 41 cm	41 – 44 cm	44 – 47 cm	47 – 50 cm	50 – 53 cm	60 – 64 cm
<b>Circumference e</b>	29 – 31 cm	31 – 34 cm	34 – 37 cm	37 – 40 cm	40 – 43 cm	43 – 46 cm
<b>Circumference c</b>	27 – 29 cm	29 – 32 cm	32 – 35 cm	35 – 38 cm	38 – 41 cm	41 – 44 cm

Transtibial fitting

Order example

<b>Reference number</b>	<b>=</b>	<b>Size</b>	<b>-</b>	<b>Length</b>	<b>-</b>	<b>N</b>
<b>451F10</b>	<b>=</b>	<b>XS</b>	<b>-</b>	<b>30</b>	<b>-</b>	<b>N</b>

<b>Reference number</b>	<b>451F10</b>					
<b>Size</b>	XS	S	M	L	XL	XXL
<b>compression class</b>	KKL2					
<b>Lengths (L) g-e</b>	30 cm, 38 cm, 46 cm					
<b>Circumference f</b>	39 – 41 cm	41 – 44 cm	44 – 47 cm	47 – 50 cm	50 – 53 cm	60 – 64 cm
<b>Circumference e</b>	29 – 31 cm	31 – 34 cm	34 – 37 cm	37 – 40 cm	40 – 43 cm	43 – 46 cm
<b>Circumference c</b>	27 – 29 cm	29 – 32 cm	32 – 35 cm	35 – 38 cm	38 – 41 cm	41 – 44 cm



## Accessories

### 634A61 Acs cold weld material

Bottle with 35 g net contents

<b>Article number</b>	<b>634A61</b>
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### 616R11=3.2X1.6X500 PU hose

<b>Article number</b>	<b>616R11=3.2X1.6X500</b>
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## 5F1 Terry cloth covers

Package of 10

<b>Article number</b>	<b>5F1</b>
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## 6T2 Pedilin cone for soft socket

Pedilin has proven itself for soft inner sockets for years. The material is skin-friendly, retains its shape and is hygienic. The prefabricated cones have a precise, stable bonded edge. Ready for thermoplastic shaping, our Pedilin cones save you sanding and gluing time.

Article number	6T2=1	6T2=2	6T2=3
<b>Distal circumference</b>	200 mm	270 mm	300 mm
<b>Proximal circumference</b>	390 mm	425 mm	485 mm
<b>Height</b>	420 mm	420 mm	420 mm
<b>Thickness</b>	5 mm	5 mm	5 mm



## 5T8 Procomfort inner socket

Older patients especially prefer to put on their prosthesis while sitting and without assistance. Ottobock offers the Procomfort inner socket as a practical solution. The individually shaped inner socket of polyurethane replaces the stockinette normally used for donning a transfemoral prosthesis. The Procomfort inner socket is rolled directly onto the residual limb. An especially formulated gel assists the amputee in slipping into the prosthesis while also improving the adhesion between the Procomfort socket and prosthetic socket.

Article number	5T8=1	5T8=2
<b>Distal circumference</b>	36 – 42 cm	28 – 36 cm
<b>Proximal circumference</b>	49 – 71 cm	43 – 63 cm

646D34

647H118



## 633S2 Procomfort gel

acts as a lubricant to aid in donning the prosthetic glove over the inner hand.

<b>Article number</b>	<b>633S2</b>
<b>Net contents</b>	250 ml



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## Cosmetic cover

In addition to the functional reconstruction of the lost limb, most amputees also desire an inconspicuous or visually enhanced appearance. The outer design of the prosthesis as a cosmetic functional fitting for all amputation heights of the lower limb is therefore of particular significance. Ottobock therefore offers foam covers, socks, and aesthetic improvement techniques for exterior design.

All foam covers are equipped with a bore hole. The bore holes have different diameters adapted to the modular components. For transtibial prostheses, select between foam covers with 30 mm or 34 mm bore hole diameters according to the corresponding diameter of the Ottobock tube adapter and tube clamp adapter.

Transfemoral foam covers are predrilled, adapted to the contours of the Ottobock knee joints. Use the combination overview on page 280 to identify at a glance which cover is suitable for which knee joint.

The 3S106 and 3S124 models support a time-saving cosmetic design. Conical openings in the socket area make it easier to fit the socket. Both cosmetic foam covers are also anatomically pre-shaped.

With Ottobock SuperSkin coating technology, you can colour the finished, moulded PUR foam covers and protect them against splashed water. SuperSkin provides cosmetically attractive results. Similar effects are also possible with Ottobock SoftTouch cosmetic stockings on transtibial prostheses.

Nylon cosmetic stockings of various sizes and colours with anti-slip rubber cuff form the exterior cosmetic cover.

Ottobock Service Fabrication offers a special service. Here cosmetic foam covers are fabricated quickly according to the individual measurements of the amputee. Through Ottobock Customer Service, you can have individual coatings applied to foam covers using aesthetic refinement techniques.

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## Overview of combinations

	3R6	3S106	3R24	3S124	3S107	3S26	3S27*	6R6	6R8	6R18
3C86-1 C-Leg compact						■				
3C88-1 C-Leg						■				
3C96-1 C-Leg compact						■	■			
3C98-1 C-Leg						■	■			
3R15	■	■								
3R17			■	■						
3R20			■	■			■			
3R21	▣							■		
3R23	▣							■		
3R30	▣							■		
3R32	▣							■		
3R33			■	■						
3R36			■	■			■			
3R40			■	■						
3R46	▣							■		
3R49	■	■								
3R55	■	■								
3R60					■					
3R60=KD					▣			■		
3R60=ST					■					
3R60=HD					■		■			
3R60-PRO					■					
3R60-PRO=KD					▣			■		
3R60-PRO=ST					■					
3R60-PRO=HD					■		■			
3R72					■					
3R78	■	■								
3R80					■					
3R90					■					
3R92					■					
3R93		■			■					
3R95			■	■						
3R95=1			■	■						
3R106					■					
3R106=KD					▣			■		
3R106=ST					■					
3R106=HD					■		■			
Transtibial								■	■	■

▣ The respective knee joints are intended for knee disarticulation fittings, which are usually cosmetically finished with the 6R6 Lower Leg Prosthetic Cover. If required, the exterior finish can also be realised with the 3R6 or 3S107 Thigh Cosmetic Cover.

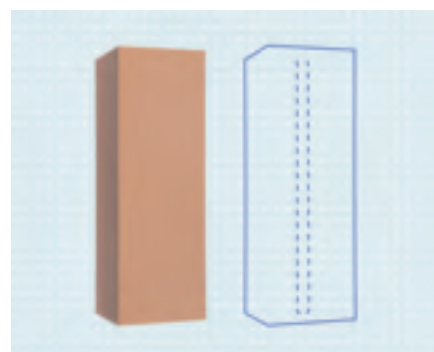
\* Suitable for all Ottobock hip joints

## 6R8 Foam cover

The 6R8 Cover for modular transtibial prostheses has a 30 or 34 mm diameter bore hole and is not pre-shaped.

It can be used on the left or right side.

Article number	6R8=30	6R8=34
for tube diameter	30 cm	34 cm
Material	PE foam	PE foam
Length	approx. 48 cm	approx. 48 cm
Colour	beige	beige



## 6R18 Foam cover

The 6R18 Cover for modular transtibial prostheses has a 30 or 34 mm diameter bore hole and is not pre-shaped.

It can be used on the left or right side.

Article number	6R18=30	6R18=34
for tube diameter	30 cm	34 cm
Material	PE foam	PE foam
Length	approx. 48 cm	approx. 48 cm
Colour	beige	beige



## 6R6 Foam cover

The 6R6 Cover for modular transtibial and knee disarticulation prostheses has a bore hole with a diameter suitable for the cosmetic shell of a Ø 30 mm system or a Ø 34 mm system, and is not pre-shaped. It can be used on either the left or right side.

Article number	6R6
for tube diameter	30 and 34 cm
Material	PUR flexible foam
Length	approx. 55 cm
for knee joints	3R21, 3R23, 3R30, 3R32, 3R46, 3R60=KD, 3R60-PRO=KD, 3R106=KD
Colour	beige



- ▶ The material is flame retardant according to DIN 75200 and meets MVSS 302 ≤ 100 mm.



### Custom foam covers from Ottobock Service Fabrication

If you would like to reduce the milling volume or need special sizes, you can order custom-made foam covers according to your customer's measurements through Ottobock Service Fabrication. In order to do so, please complete the measurement form for custom foam covers in the order forms section. For more information on the ordering process, please consult the 646K71=GB Service Catalogue.

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### 3R6 Foam cover

The 3R6 Cover for modular transfemoral prostheses has a stepped centre hole and is pre-shaped.

Order example

Reference number	=	Side	Calf circumference
------------------	---	------	--------------------

<b>3R6</b>	=	L	36
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<b>Reference number</b>	<b>3R6</b>
<b>Material</b>	PUR flexible foam
<b>Calf circumference</b>	36 cm, 40 cm, 44 cm
<b>Knee flexion</b>	30°
<b>Side</b>	links (L), rechts (R)
<b>Length</b>	approx. 94 cm
<b>for knee joints</b>	3R15, 3R49, 3R55, 3R21, 3R23, 3R30, 3R32, 3R46, 3R78
<b>Colour</b>	beige

• The material is flame retardant according to DIN 75200 and meets MVSS 302 ≤ 100 mm.



### 3S106 Foam cover

The 3S106 Cover for modular transfemoral prostheses has a stepped centre hole and is cosmetically pre-shaped in the area of the knee and ankle. The cover is also conically predrilled for inserting the prosthetic socket.

Order example

Reference number	=	Side	Calf circumference
------------------	---	------	--------------------

<b>3S106</b>	=	L	44
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<b>Reference number</b>	<b>3S106</b>
<b>Material</b>	PUR flexible foam
<b>Calf circumference</b>	36 cm, 40 cm, 44 cm
<b>Knee flexion</b>	35°
<b>Side</b>	links (L), rechts (R)
<b>Length</b>	approx. 94 cm
<b>for knee joints</b>	3R15, 3R49, 3R55, 3R78, 3R93
<b>Colour</b>	beige

• The material is flame retardant according to DIN 75200 and meets MVSS 302 ≤ 100 mm.

## 3R24 Foam cover

The 3S24 Cover for modular transfemoral prostheses has a stepped centre hole and is pre-shaped. In addition to the knee joints listed below, it is also designed for prostheses with a knee joint combined with the 99B17 Knee Protector with Extension Assist Belt.

Order example

Reference number	=	Side	Calf circumference
3R24	=	R	40

<b>Reference number</b>	<b>3R24</b>
<b>Material</b>	PUR flexible foam
<b>Calf circumference</b>	36 cm, 40 cm, 44 cm
<b>Knee flexion</b>	30°
<b>Side</b>	links (L), rechts (R)
<b>Length</b>	approx. 94 cm
<b>for knee joints</b>	3R17, 3R20, 3R22, 3R33, 3R34, 3R36, 3R40, 3R95, 3R95=1
<b>Colour</b>	beige



- The material is flame retardant according to DIN 75200 and meets MVSS 302 ≤ 100 mm.



### Custom foam covers from Ottobock Service Fabrication

If you would like to reduce the milling volume or need special sizes, you can order custom-made foam covers according to your customer's measurements through Ottobock Service Fabrication. In order to do so, please complete the measurement form for custom foam covers in the order forms section. For more information on the ordering process, please consult the 646K71=GB Service Catalogue.

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### 3S124 Foam cover

The 3S124 Cover for modular transfemoral prostheses has a stepped centre hole and is cosmetically pre-shaped in the area of the ankle and knee. The cover is also conically predrilled for inserting the prosthetic socket. In addition to the knee joints listed below, it is also designed for prostheses with a knee joint combined with the 99B17 Knee Protector with Extension Assist Belt.

Order example

Reference number	=	Side	Calf circumference
<b>3S124</b>	=	L	40

<b>Reference number</b>	<b>3S124</b>
<b>Material</b>	PUR flexible foam
<b>Calf circumference</b>	36 cm, 40 cm, 44 cm
<b>Knee flexion</b>	35°
<b>Side</b>	links (L), rechts (R)
<b>Length</b>	approx. 94 cm
<b>for knee joints</b>	3R17, 3R20, 3R22, 3R33, 3R34, 3R36, 3R40, 3R95, 3R95=1
<b>Colour</b>	beige

⦿ The material is flame retardant according to DIN 75200 and meets MVSS 302 ≤ 100 mm.



### 3S107 Foam cover

The 3S107 Cover for modular transfemoral prostheses has a stepped centre hole and is pre-shaped.

Order example

Reference number	=	Side	Calf circumference
<b>3S107</b>	=	R	40

<b>Reference number</b>	<b>3S107</b>
<b>Material</b>	PUR flexible foam
<b>Calf circumference</b>	40 cm, 44 cm
<b>Knee flexion</b>	35°
<b>Side</b>	links (L), rechts (R)
<b>Length</b>	approx. 94 cm
<b>for knee joints</b>	3R106, 3R106=KD, 3R106=ST, 3R106=HD*, 3R60, 3R60=ST, 3R60=HD*, 3R60=KD, 3R60-PRO, 3R60-PRO=KD, 3R60-PRO=ST, 3R60-PRO=HD*, 3R72, 3R80, 3R90, 3R92, 3R93
<b>Colour</b>	beige

⦿ The material is flame retardant according to DIN 75200 and meets MVSS 302 ≤ 100 mm.

### 3S26 Foam cover

The 3S26 Cover for modular transfemoral prostheses has a stepped centre hole and is pre-shaped.

Order example

Reference number	=	Side	Calf circumference
<b>3S26</b>	=	R	44

<b>Reference number</b>	<b>3S26</b>
<b>Material</b>	PUR flexible foam
<b>Calf circumference</b>	44 cm
<b>Knee flexion</b>	30°
<b>Side</b>	links (L), rechts (R)
<b>Length</b>	approx. 94 cm
<b>for knee joints</b>	3C88-2, 3C98-2, 3C86-1, 3C96-1
<b>Colour</b>	beige

- The material is flame retardant according to DIN 75200 and meets MVSS 302 ≤ 100 mm.



### 3S27 Foam cover for hip disarticulation fittings

The 3S27 Cover for modular pelvic prostheses has a stepped centre hole and is pre-shaped.

Order example

Reference number	=	Side	Calf circumference
<b>3S27</b>	=	R	44

<b>Reference number</b>	<b>3S27</b>
<b>Material</b>	PUR flexible foam
<b>Calf circumference</b>	44 cm
<b>Knee flexion</b>	20°
<b>Side</b>	links (L), rechts (R)
<b>Length</b>	approx. 110 cm
<b>for</b>	7E5 Hip Joint with 3R20, 3R36 Knee Joint 7E4 Hip Joint with 3R20, 3R36, 3R60=HD, 3R60-PRO=HD Knee Joint 7E7 Hip Joint with 3R36, 3R106=HD, 3R60=HD, 3R60-PRO=HD Knee Joint 3C96-1 C-Leg compact, 3C98-1 C-Leg 7E10 Helix <sup>3D</sup> Hip Joint with 3C98-1 C-Leg Knee Joint
<b>Colour</b>	beige

- The material is flame retardant according to DIN 75200 and meets MVSS 302 ≤ 100 mm.



#### Custom foam covers from Ottobock Service Fabrication

If you would like to reduce the milling volume or need special sizes, you can order custom-made foam covers according to your customer's measurements through Ottobock Service Fabrication. In order to do so, please complete the measurement form for custom foam covers in the order forms section. For more information on the ordering process, please consult the 646K71=GB Service Catalogue.

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## Aesthetic refinement

Ottobock offers a special coating technology for the aesthetic refinement of the foam covers. The coating material is stretchable, extremely tear-resistant, resistant to splashed water and is ideally applied using the 746B20 Coating Kit.



646T7=4.8D

### 646M13 Superskin sampler ring

The sampler ring is used for the visual and haptic demonstration of the various colour samples. It supports choosing the desired hue.

Article number	646M13
Version	Skin tones



**Practical recommendation:**

- You can achieve the colour results provided in the 646M13 Colour Sample Kit by using different mixing ratios from the SuperSkin colour table below. See Page 279.
- For details on the mixing ratios, see the 646T7=4.8D Processing Instructions.



646T7=4.8D

### 646M18=D 646M18 Superskin sampler ring

The sampler ring is used for the visual and haptic demonstration of the various colour samples. It supports choosing the desired hue.

Article number	646M18=D
Version	RAL colours



**Practical recommendation:**

- You can achieve the colour results provided in the 646M18=D Colour Sample Kit by using different mixing ratios from the SuperSkin colour table below. See Page 279.
- For details on the mixing ratios, see the 646T7=4.8D Processing Instructions.



## 635C1 Superskin for PUR products

This SuperSkin PUR synthetic material is especially well suited for coating PUR flexible foam covers, Ottobock prosthetic feet and 99B15 Nylon Connectors. It is insensitive to dirt and also washable.

Furthermore, it is ready for spraying and can be individually dyed.

Does not require primer when used with polyurethane foams or Ottobock prosthetic feet.

Order example

Reference number	=	Net contents	-	Colour
<b>635C1</b>	=	0.5	-	14



		Net contents				
		0.225 kg (0.25)	0.45 kg (0.5)	0.9 kg (1)	2.3 kg (2.5)	4.7 kg (5)
Colour	<b>brown (14)</b>	0.25-14	0.5-14	1-14	2.5-14	-
	<b>skin colour (1)</b>	-	-	1-1	2.5-1	5-1
	<b>dark brown (18)</b>	-	-	1-18	2.5-18	-
	<b>Pure white (9010)</b>	-	-	1-9010	2.5-9010	-
	<b>gold (1050)</b>	-	-	1-1050	-	-
	<b>bright yellow (1026)</b>	-	-	-	2.5-1026	-
	<b>purple red (3004)</b>	-	-	-	2.5-3004	-
	<b>traffic red (3020)</b>	-	-	-	2.5-3020	-
	<b>signal violet (4008)</b>	-	-	-	2.5-4008	-
	<b>gentian blue (5010)</b>	-	-	-	2.5-5010	-
	<b>pastel turquoise (6034)</b>	-	-	-	2.5-6034	-
	<b>Light grey (RAL 7035)</b>	-	-	-	2.5-7035	-
	<b>black (9011)</b>	-	-	-	2.5-9011	-

► Recommended target values:

For a transtibial foam cover 150 g

For a transfemoral foam cover 300 g

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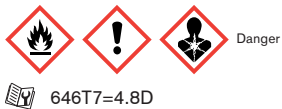


### 635C2A SuperSkin for non-PUR products

This SuperSkin PUR synthetic material is especially well suited for coating PE foam covers, Pedilin, Plastazote®, Evazote®, laminate, wood, metal and Pedilan lightweight feet (with the exception of PUR products).  
It is insensitive to dirt and also washable.  
Furthermore, it is ready for spraying and can be individually dyed.

Order example

**Reference number = Net contents - Colour**  
**635C2A = 1 - 14**



		Net contents		
		0.6 kg (1)	1.535 kg (2.5)	3.135 kg (5)
Colour	skin colour (1)	1-1	2.5-1	5-1
	brown (14)	1-14	2.5-14	-
	dark brown (18)	1-18	2.5-18	-

- Recommended target values:  
For a transtibial foam cover 150 g (incl. finish thinner)  
For a transfemoral foam cover 300 g (incl. finish thinner)



**Practical recommendation:**

All products not based on PUR always require a priming coat with 635C3 Primer.



### 635C2B Thinner for 635C2A

The substance is used for thinning 635C2A for non-PUR products.

Article number	635C2B=0.5	635C2B=1	635C2B=2.5
Net contents	0.3 kg (0.5)	0.77 kg (1)	1.57 kg (2.5)



	635C2B Thinner for 635C2A	:	635C2A SuperSkin for non-PUR products
	1		2



**Practical recommendation:**

All products not based on PUR always require a priming coat with 635C3 Primer.

Evazote® and Plastazote® are registered trademarks of Zotefoams.

## 635C3 Primer for non-PUR products

The primer must be applied before coating PE foam covers, Pedilin, Plastazote®, Evazote®, laminate, wood, metals and Pedilan lightweight feet (with the exception of PUR products). It facilitates the adhesion of SuperSkin to a variety of materials.

<b>Article number</b>	<b>635C3=0.5</b>	<b>635C3=1</b>
<b>Colour</b>	White	
<b>Net contents</b>	0.45 kg (0.5)	0.9 kg (1)



### Practical recommendation:

636N9 Ottobock Contact Adhesive can be used as an additional primer for EVA foams, especially for concave areas (undercuts), in order to prevent the paint from overtensioning.

## 636W58 PUR foam adhesive

PUR foam adhesive is used for bonding PUR foams, PUR-EVA bonds and other materials (e.g. connection caps for prosthetic feet, foam connecting caps). It is ready for spraying and highly elastic.

<b>Article number</b>	<b>636W58</b>
<b>Colour</b>	transparent
<b>Net contents</b>	0.65 kg



### Practical recommendation:

Please apply thinly.

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### 634A80 Superskin cleaner

For cleaning Pedilan lightweight feet and laminate as well as for etching the surface of Ottobock prosthetic feet before spraying.  
Also for cleaning the high-performance spray gun and other foam-finishing tools.  
Can also be used for working the edges of ThermoLyn clear and ThermoLyn PETG clear.

<b>Article number</b>	<b>634A80=1</b>	<b>634A80=2.5</b>
<b>Net contents</b>	0.75 kg (1)	1.9 kg (2.5)



646T7=4.8D



**Practical recommendation:**

Do not use as thinner.



### 635Z56 Superskin repair set

The touch-up applicator with brush and mixing ball can be used to repair non-PUR products. The material is insensitive to dirt and also washable.

<b>Article number</b>	<b>635Z56</b>
<b>Colour</b>	Skin colour
<b>Net contents</b>	12 ml



**Accessories**

- **746B20** Coating Kit incl. spray gun
- **758Z60=1** Spray Booth without fan
- **758Z60=2** Spray Booth with fan

For further information please see our Consulting, Planning and Equipping catalogue (646K10=D).

**Individual coatings from Ottobock Customer Service**

You can also contact Ottobock Customer Service to have your PUR or PE/EVA products upgraded. Phone +49(0)5527 848-0 or consult your responsible contact person.

## 99B116 SoftTouch stockings for transtibial prostheses (2 pcs.)

The Ottobock SoftTouch socks have a special surface coating.

They are pulled over the cosmetic foam cover. This makes the modular lower limb prostheses:

- splash-proof
- more resistant to dirt
- visually more attractive

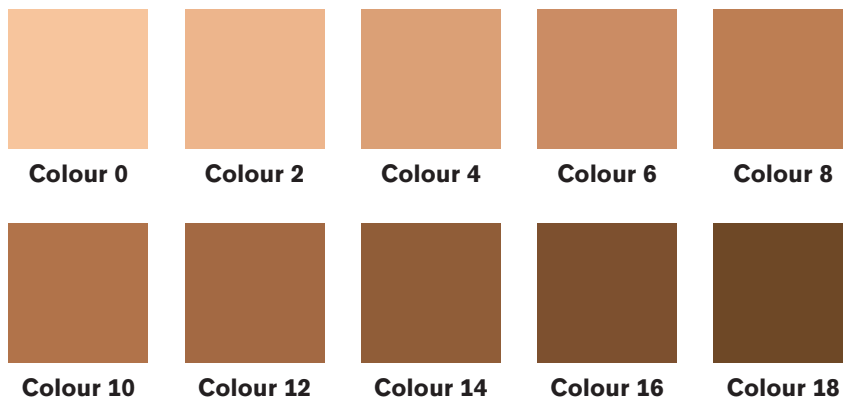
SoftTouch stockings are extremely stretchable. They are available for transtibial prostheses in small, medium and large sizes, in 10 colours each, and especially well suited for combining with the 6R8 or 6R18 PE Foam Cover.

Order example

Reference number	=	Size	-	Colour
<b>99B116</b>	=	2	-	12

Reference number	99B116		
<b>Size</b>	2	4	6
<b>Ankle circumference</b>	19 – 21 cm	22 – 25 cm	26 – 29 cm
<b>Calf circumference</b>	30 – 33 cm	34 – 39 cm	40 – 45 cm
<b>Foot length</b>	≥ 21 cm	≥ 23 cm	≥ 25 cm
<b>Colour</b>	Colour 0, Colour 2 (2), Colour 4 (4), Colour 6 (6), Colour 8 (8), Colour 10 (10), Colour 12 (12), Colour 14 (14), Colour 16 (16), Colour 18 (18)		

► Please use the 646M22 Colour Sample Set for colour selection.



647H267

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## 99B16 Nylon knee stockings

The nylon knee stockings with rubberised cuff are intended as exterior cosmetic covers for modular transtibial prostheses.

Order example

**Reference number** = **Size** **Colour**  
**99B16** = 1 B

Reference number	99B16		
<b>Size</b>	1	2	3
<b>Length</b>	~ 38.5 cm	~ 40.5 cm	~ 44.5 cm
<b>Foot length</b>	~ 17.5 cm	~ 18.5 cm	~ 19 cm
<b>Ankle (1/2)</b>	~ 9 cm	~ 9.2 cm	~ 9.25 cm
<b>Cuff (1/2)</b>	~ 11.5 cm		
<b>Colour</b>	skin colour (-), brazil (B)		



skin colour



brazil



## 99B14 Nylon cosmetic stockings

The nylon cosmetic stockings with rubberised cuff are intended as exterior cosmetic covers for modular knee disarticulation and transfemoral prostheses.

Order example

**Reference number** = **Size** **Colour**  
**99B14** = 1 B

Reference number	99B14				
<b>Size</b>	0	1	2	3	4
<b>Length</b>	~ 59 cm	~ 61.5 cm	~ 66 cm	~ 72 cm	~ 83.5 cm
<b>Foot length</b>	~ 18 cm	~ 19 cm	~ 20 cm	~ 20.5 cm	~ 21 cm
<b>Ankle (1/2)</b>	~ 9 cm			~ 9.25 cm	~ 9.5 cm
<b>Cuff (1/2)</b>	~ 15 cm	~ 16 cm	~ 17 cm	~ 18 cm	~ 19 cm
<b>Colour</b>	skin colour (-), brazil (B)				



skin colour



brazil

## 99B14=HE Nylon cosmetic stockings for hip disarticulation fittings

The 99B14=HE Nylon Cosmetic Stockings are intended as exterior cosmetic covers for modular hip disarticulation prostheses.

<b>Article number</b>	<b>99B14=HE</b>
<b>Length</b>	approx. 100 cm
<b>Foot length</b>	approx. 18.5 cm
<b>Ankle (1/2)</b>	approx. 10 cm
<b>Cuff (1/2)</b>	approx. 14 cm



## 99B15 Nylon connector

The nylon connector is intended for fastening the foam cover on the transfemoral socket.

Order example

<b>Reference number</b>	<b>=</b>	<b>Size</b>
<b>99B15</b>	<b>=</b>	<b>2</b>

<b>Reference number</b>	<b>99B15</b>		
<b>Size</b>	1	2	3
<b>Length</b>	~ 22 cm		
<b>Cuff (1/2)</b>	~ 17 cm	~ 17.5 cm	~ 18 cm



## 99B17 Modular knee protector with elastic belt extension assist

Can be used in place of the 21B30 Modular Extension Assist

<b>Article number</b>	<b>99B17</b>
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 647G49

## 4R32 Finishing kit for modular hip disarticulation prostheses

The finishing kit is used to secure the foam connection plate to the pelvic socket and is a functional component of the Ottobock modular hip joints.

<b>Article number</b>	<b>4R32</b>
<b>Consisting of</b>	2 connecting straps with ring 2 distal anchor rings 2 wedges 1 ThermoLyn Trolene strip (as lamination template) 1 pair nylon cosmetic stockings, skin colour, size 3



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## Bag for prosthesis

For transporting the prosthesis

<b>Article number</b>	<b>642C3</b>	<b>642C3=1</b>
<b>Length</b>	120 cm	65 cm
<b>for</b>	Transfemoral prosthesis	Transtibial prosthesis





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# Exoskeletal leg prostheses

Exoskeletal prostheses, also called conventional or crustacean type prostheses, are commonly constructed of wood or plastic. The prosthesis walls provide shape and perform the weight bearing function.

This robust prosthesis type has been successfully used for years and may be the prosthesis of choice when user needs or geographical conditions contraindicate the use of modular components. All amputation levels except knee disarticulation may be fitted with an exoskeletal prosthesis.

The individual components are fabricated from a thick-walled material – wood or Pedilen – to allow custom alignment. The components are first placed in the alignment apparatus with the prosthetic socket and then temporarily connected to one another.

Modifications may be made during trial fitting; however, the components must be separated for this purpose. Modification of the static alignment is only possible to a very limited extent in the finished prosthesis.

In finishing the wooden prosthesis, one reduces the wall thickness of the components from the inside and shapes the outside. The ensuing lamination provides additional strength to the prosthesis while also creating an attractive surface.

To finish a plastic prosthesis, the model is laminated once the outer shape has been created. Pedilen rigid foam is then removed to produce a thin-walled, laminated prosthesis.

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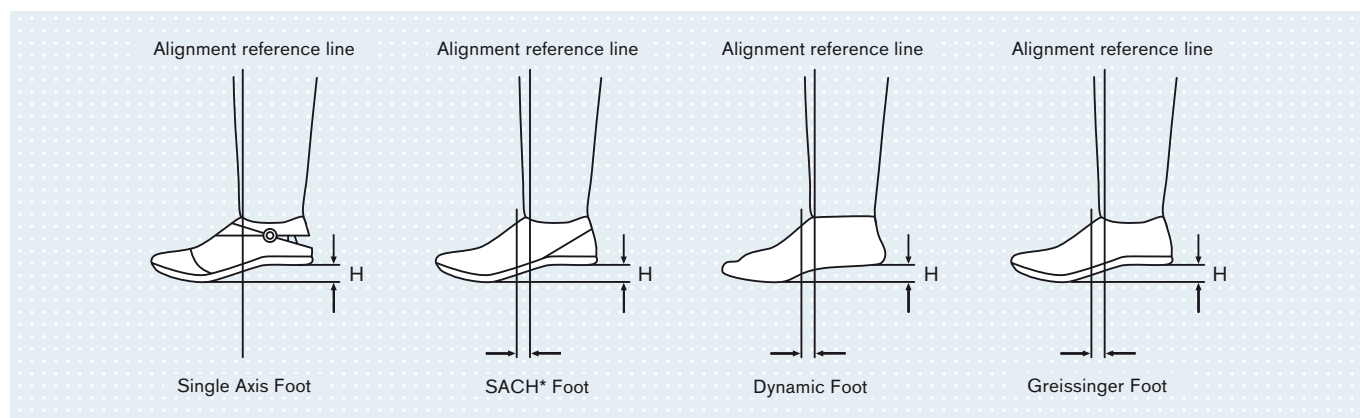
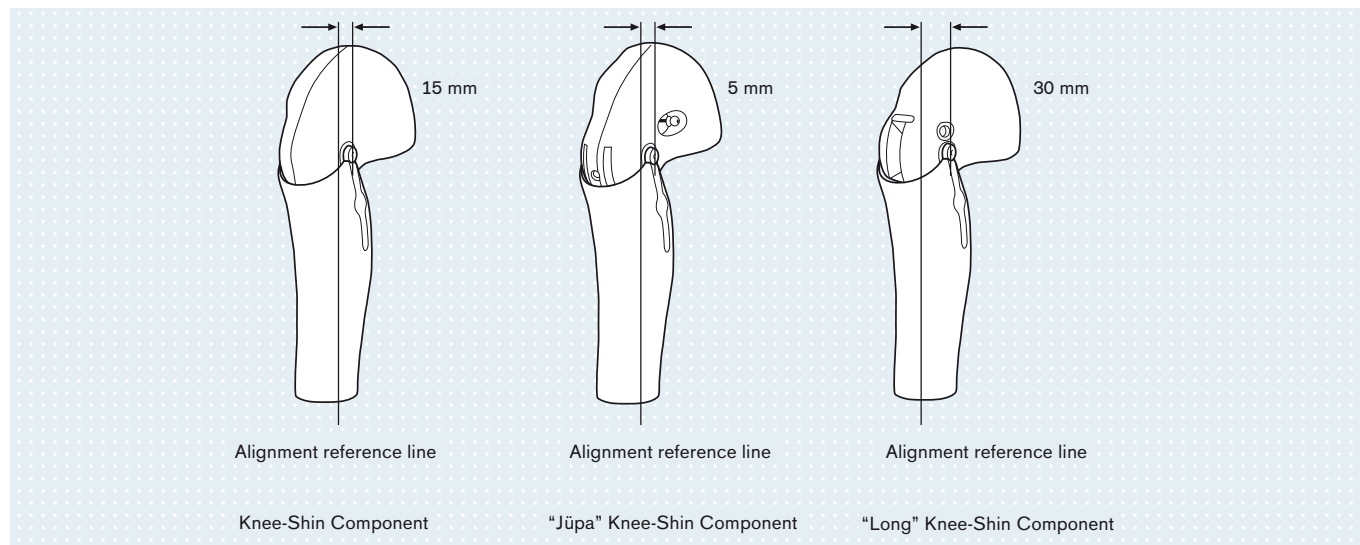
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The physical arrangement of the knee-calf components and feet follows the approach for modular components.

We recommend using the 743A3 Alignment Apparatus for the correct and straightforward alignment of exoskeletal lower limb prostheses.

The recommended posterior placement values refer to the alignment reference line (graphic). Take into account a general exterior rotation of 5° for the knee axis of the various components.



Please consult the respective instructions for use to find the alignment values for the various prosthetic feet. A safety factor is added to the effective heel height to compensate for the compression of the Pedilan sole, the dorsal stop and the knee joint stop.

The following values are added to the effective heel height:

for Single Axis Foot and SACH\* Foot =  $H + 5 \text{ mm}$

for Dynamic Foot and Greissinger Foot =  $H + 10 \text{ mm}$

- The feet below can be used in modular prostheses and in exoskeletal prostheses. For detailed information, see the section "Modular Structure – Prosthetic Feet".

## Cosmetic light foot

### Cosmetic light foot

<b>Article number</b>	<b>1G6</b>
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## Dynamic feet

### Dynamic foot with toes and sandal toe

<b>Article number</b>	<b>1D10</b>
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### Dynamic foot with toes and sandal toe

<b>Article number</b>	<b>1D11</b>
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## Accessories for cosmetic light foot, SACH and dynamic feet

### 2K34 Shaped ankle part

Without threaded bushing, for 1G6 and all SACH\* and dynamic feet, to be used on the left or right side.

Without threaded bushing, for 1WR95 without adapter, to be used on the left or right side.

<b>Article number</b>	<b>2K34=25</b>	<b>2K34=30</b>
<b>for foot sizes</b>	24 – 25 cm	26 – 30 cm



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### 2Z22 Screw connection



Article number	2Z22=M10	2Z22=M8x90
<b>for</b>	1S90 (all sizes) 1S49 (all sizes) 1S66 (all sizes) 1S67 (26 cm) 1S101 (all sizes) 1S102 (all sizes) 1S103 (all sizes) 1D10 (all sizes) 1D11 (26 – 28 cm)	1G6 (all sizes) 1S67 (22 – 25 cm) 1D11 (22 – 25 cm)
<b>Scope of delivery</b>	1 threaded bushing 1 cap screw 1 washer	1 threaded bushing 1 cap screw 1 washer



### 2F8 Pedilan block

Article number	2F8=H	2F8=M	2F8=W
<b>Dimensions</b>	115×75×65 mm		
<b>Hardness</b>	hard	medium	soft



### 2U1 Elastic foot cover

Article number	2U1=L	2U1=R
<b>Side</b>	links (L)	rechts (R)
<b>Size</b>	universal	

## Single axis foot

### 1H37 / 1H39 Single axis foot with toes

Order example

Reference number	=	Side	Size
1H37	=	L	26

The 1H37 and 1H39 Single Axis Foot have different heel heights, with 2K14 Shaped Ankle Part and 2H19 Ottobock Single Axis Joint.

Reference number	1H37							
Heel height	10 mm							
Side	links (L), rechts (R)							
Size	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm
Colour	beige							
Max. body weight	100 kg							

The 1H37 and 1H39 Single Axis Foot have different heel heights, with 2K14 Shaped Ankle Part and 2H19 Ottobock Single Axis Joint..

Reference number	1H39							
Heel height	25 mm							
Side	links (L), rechts (R)							
Size	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm
Colour	beige							
Max. body weight	100 kg							



### 1H31 Single axis foot without toes, two-parts

with 2K14 Shaped Ankle Part, 2H19 Ottobock Single Axis Joint and 2Z67 Pedilan Sole.

Order example

Reference number	=	Side	Size
1H31	=	L	26

Reference number	1H31							
Heel height	25 mm							
Sides	links (L), rechts (R)							
Size	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm
Colour	beige/white							
Max. body weight	100 kg							



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## Single components for single axis feet as spare parts



### 1H38 / 1H40 Single axis foot with toes

Reference number	1H38 / 1H40	1H40
as	Single component of the 1H37 Single Axis Foot with Toes	Single component of the 1H39 Single Axis Foot with Toes



### 1H32 Single axis foot without toes, two-parts

Reference number	1H32
as	Single component of the 1H31 Single Axis Foot



### 2H19 Ottobock single axis joint (5) maintenance-free, complete (without rubber bumper)

Article number	2H19=42	2H19=47
for foot sizes	21 – 24 cm	25 – 29 cm
Weight	200 g	206 g

### 2D5 Single component pack for single axis feet

Article number	2D5
Scope of delivery	1 lower joint bushing (1) 1 shell (2) 1 washer (3) 1 rubber bumper, hard, 59 mm long (4) 1 rubber bumper, medium, 54 mm long (4) 1 rubber bumper, soft, 42 mm long (4)



## 2K14 Shaped ankle part

for single axis feet with encased joints

Order example

**Reference number = Side Size**

**2K14 = L 26**



<b>Reference number</b>	<b>2K14</b>							
<b>Side</b>	links (L), rechts (R)							
<b>Size</b>	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm

## 709S14=11 Allen box spanner

galvanised, with mandrel, for Ottobock single axis joint

<b>Article number</b>	<b>709S14=11</b>
<b>Material</b>	Galvanised
<b>Length</b>	120 mm
<b>for</b>	502S17=M7 nut
<b>Weight</b>	0.077 kg
<b>To be used for</b>	Ottobock single axis joint



## 709S3 Square box spanner

painted black

<b>Article number</b>	<b>709S3</b>
<b>Material</b>	Round bar steel
<b>Length</b>	530 mm
<b>for</b>	502V5=M10X1 nut
<b>Weight</b>	0.450 kg
<b>Colour</b>	Black



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## Greissinger foot



### 1A6 Greissinger foot

with 2K5 Shaped Ankle Part, joint movable in all directions, 2Z18 Pedilan Toe, 2F18 Pedilan Heel Wedge and 2Z14 Pedilan Sole, sole contour flat

Order example

Reference number	=	Side	Size
<b>1A6</b>	=	L	26

<b>Reference number</b>	<b>1A6</b>				
<b>Heel height</b>	28 mm				
<b>Side</b>	links (L), rechts (R)				
<b>Size</b>	25 cm	26 cm	27 cm	28 cm	29 cm
<b>Colour</b>	wood colour/white				
<b>Max. body weight</b>	100 kg				

## Single components for greissinger foot as spare parts



### 1A7 Greissinger shaped foot part

with 2Z18 Pedilan Toe, 2F18 Pedilan Heel Wedge and 2Z14 Pedilan Sole, sole contour flat

Order example

Reference number	=	Side	Size
<b>1A7</b>	=	L	26

<b>Reference number</b>	<b>1A7</b>				
<b>Side</b>	links (L), rechts (R)				
<b>Size</b>	25 cm	26 cm	27 cm	28 cm	29 cm



### 2Z18 Pedilan toe

Order example

Reference number	=	Side	Size
<b>2Z18</b>	=	L	26

<b>Reference number</b>	<b>2Z18</b>				
<b>Side</b>	links (L), rechts (R)				
<b>Size</b>	25 cm	26 cm	27 cm	28 cm	29 cm
<b>for</b>	1A6, 1A7				



### 2F18 Pedilan heel wedge

<b>Article number</b>	<b>2F18</b>
<b>for</b>	1A6, 1A7

## 2Z14 Pedilan sole

Sole contour flat

Order example

Reference number	=	Side	Size
<b>2Z14</b>	=	L	26

Reference number	2Z14				
<b>Side</b>	links (L), rechts (R)				
<b>Size</b>	25 cm	26 cm	27 cm	28 cm	29 cm
<b>for</b>	1A6, 1A7				



## Single component pack

Article number	2D1	2D2
<b>Size</b>	24 – 25 cm	26 – 29 cm
<b>for</b>	1A6, 1A29	
<b>Scope of delivery</b>	1 of each rocking rubber soft, medium, hard 1 attachment pin 1 flexible joint retainer 1 two hole washer 2 attachment bolts 1 washer 1 lock nut	



## 2S22 / 2S69 Lower joint section

U-Joint

Article number	2S22=68	2S69=68
<b>Material</b>	Steel	Titanium
<b>Size range</b>	25 – 29 cm	25-29 cm



## 2K5 Shaped ankle part

Order example

Reference number	=	Side	Size
<b>2K5</b>	=	L	26

Reference number	2K5				
<b>Side</b>	links (L), rechts (R)				
<b>Size</b>	25 cm	26 cm	27 cm	28 cm	29 cm
<b>for</b>	for 1A6, with 2S4 Attachment Pin and 2S18 Plastic Insert				



## 709S7 Allen wrench

Article number	709S7
<b>Suitable for</b>	Lock nut



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## Greissinger plus

### 1A29 Greissinger plus

with 2K25 Shaped Ankle Part and joint movable in all directions.

Order example

Reference number	=	Side	Size
<b>1A29</b>	=	L	26

Reference number	1A29					
<b>Heel height</b>	10 mm					
<b>Side</b>	links (L), rechts (R)					
<b>Size</b>	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm
<b>Colour</b>	beige					
<b>Max. body weight</b>	75 kg			100 kg		

## Single components for Greissinger plus as spare parts



### 1A31 Greissinger plus shaped foot part without adapter

Order example

Reference number	=	Side	Size
<b>1A31</b>	=	L	26

Reference number	1A31					
<b>Side</b>	links (L), rechts (R)					
<b>Size</b>	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm
<b>Max. body weight</b>	75 kg			100 kg		



### 2K25 Shaped ankle part

Order example

Reference number	=	Side	Size
<b>2K25</b>	=	L	26

Reference number	2K25					
<b>Side</b>	links (L), rechts (R)					
<b>Size</b>	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm
<b>for</b>	1A29					

## Single component pack

Article number	2D1	2D2
<b>Size</b>	24 – 25 cm	26 – 29 cm
<b>for</b>	1A6, 1A29	
<b>Scope of delivery</b>	1 of each rocking rubber soft, medium, hard 1 attachment pin 1 flexible joint retainer 1 two hole washer 2 attachment bolts 1 washer 1 lock nut	



## Pirogoff foot

### 1P9 Pirogoff foot

Order example

Reference number	=	side	size
<b>1P9</b>	=	L	26

Reference number	1P9					
<b>Heel height</b>	10 mm					
<b>Side</b>	links (L), rechts (R)					
<b>Size</b>	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm
<b>Colour</b>	wood colour/beige					



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- We recommend 636W25 PU Adhesive with 636W26 Hardener to bond the mid-foot to the foot component.

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## Knee-calf components

Decades of experience have gone into the design of Ottobock knee-calf components. The components correspond to the static and dynamic guidelines of the Ottobock alignment system. Regardless of the type of material used – wood or Pedilen – the Ottobock knee-calf components have a thick-walled design. This allows them to be oriented as desired in the 3 planes during alignment. They also facilitate production of an attractive shape while allowing hollowing from the interior, in order to achieve the thinnest walls and lightest weight possible.

The joints that are integrated into the knee-calf components are precision built. They are known for their simple construction, reliable performance, minimal weight, easy maintenance and long-term durability. The use of standard parts ensures the quick exchange of components.



### 3P19 Knee-calf component, single-axis

with standard extension stop frame, constant friction unit and closed knee ball

Order example

Reference number	=	Side	Calf circumference
<b>3P19</b>	=	L	32

<b>Reference number</b>	<b>3P19</b>
<b>Material</b>	Poplar
<b>Calf circumference</b>	28 cm, 30 cm, 32 cm, 34 cm, 36 cm, 38 cm, 40 cm
<b>Side</b>	links (L), rechts (R)

## Accessories

• Order separately as necessary.



### 726W11 Tapered reamer

for reaming out worn knee axis bushings

<b>Article number</b>	<b>726W11</b>
<b>for</b>	3P19 and 3P23 Knee Axis Bushing
<b>Weight</b>	24.5 kg

## Single components as replacement parts



### 4H14 Standard extension stop frame

with stop bumper, hard

<b>Article number</b>	<b>4H14</b>
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## 4V71 Constant friction unit

<b>Article number</b>	<b>4V71</b>
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## 3D6 Single component pack

<b>Article number</b>	<b>3D6</b>
<b>for</b>	3P19
<b>Consisting of</b>	1 knee axis with knee axis screw (stainless steel) (1) 1 washer (2) 1 oval head countersunk screw, slotted (3) 2 knee axis bushings (4)



## 3P23 Jüpa knee-calf component

The knee joint with friction brake offering a high level of wearer comfort thanks to outstanding functional characteristics:

Reliable stance phase control, weight activated by a wedge and groove configuration. With constant friction unit and internal extension assist for individual swing phase control.

Order example

Reference number	=	Side	Calf circumference
<b>3P23</b>	=	L	30

<b>Reference number</b>	<b>3P23</b>
<b>Material</b>	Poplar
<b>Calf circumference</b>	28 cm, 30 cm, 32 cm, 34 cm, 36 cm, 38 cm, 40 cm
<b>Side</b>	links (L), rechts (R)



## Accessories

- Order separately as necessary.

## 726W11 Tapered reamer

for reaming out worn knee axis bushings

<b>Article number</b>	<b>726W11</b>
<b>for</b>	3P19 and 3P23 Knee Axis Bushing
<b>Weight</b>	24.5 kg



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## Single components as replacement parts



### 4B52 Swing block

<b>Article number</b>	<b>4B52</b>
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### 3D4 Single component pack

<b>Article number</b>	<b>3D4</b>
<b>for</b>	3P23
<b>Consisting of</b>	<ul style="list-style-type: none"> <li>1 knee axis with knee axis screw (stainless steel) (1)</li> <li>1 swing axis pin (2)</li> <li>2 knee axis bushings (3)</li> <li>1 extension assist bow (4)</li> <li>1 deceleration bumper (5)</li> <li>1 knee extension stop rubber (6)</li> <li>1 shin extension stop bumper (7)</li> </ul>

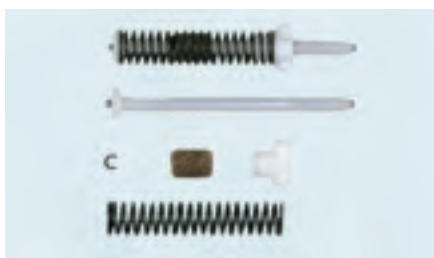


### 4V21 Friction segment

Order example

<b>Reference number</b>	<b>=</b>	<b>thickness</b>
<b>4V21</b>	<b>=</b>	<b>2.5</b>

<b>Reference number</b>	<b>4V21</b>
<b>Thickness</b>	2 mm      2.5 mm      3 mm



### 4V89 Extension assist, pre-assembled

<b>Article number</b>	<b>4V89</b>
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## 3P4 Knee-calf component

single axis, with central lock and extension stop frame

Order example

Reference number	=	Side	Calf circumference
<b>3P4</b>	=	L	30

<b>Reference number</b>	<b>3P4</b>
<b>Material</b>	Poplar
<b>Calf circumference</b>	28 cm, 30 cm, 32 cm, 34 cm, 36 cm, 38 cm, 40 cm
<b>Side</b>	links (L), rechts (R)



 647H254

## Single components as replacement parts

### 4H12 Extension stop frame

with riveted guide plate

Order example

Reference number	=	Side
<b>4H12</b>	=	L

<b>Reference number</b>	<b>4H12</b>
<b>Side</b>	links (L), rechts (R)



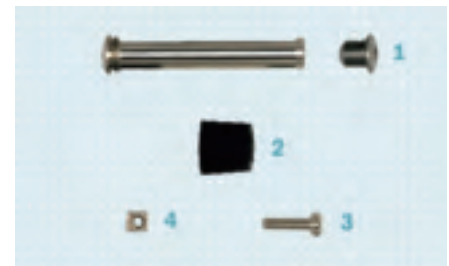
### 3D1 Knee locking unit

<b>Article number</b>	<b>3D1</b>
<b>for</b>	3P4
<b>Consisting of</b>	1 locking bolt 1 locking lever 1 compression spring 1 plastic guide, left 1 plastic guide, right 1 slotted nut 1 ball head nut



### 3D2 Single component pack

<b>Article number</b>	<b>3D2</b>
<b>for</b>	3P4
<b>Consisting of</b>	1 knee axis with knee axis screw (stainless steel) (1) 2 repair knee axis bushings (2) 2 oval head screws (3) 2 square nuts (4)



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## Socket blocks

Only flawless poplar wood is chosen for Ottobock socket blocks: step-by-step and long-term drying, special preparation against cracking, water and perspiration-resistant bonding. When used in combination with our knee-calf components, the transfemoral socket blocks are sufficiently long.



### 6P1 Transtibial socket block

two-piece

<b>Article number</b>	<b>6P1</b>
<b>Material</b>	Poplar

- The wooden socket can also be copied by Ottobock Service Fabrication. For more information, please consult the 646K71=D Service Catalogue.



### 5P1 Transfemoral socket block

Article number	5P1=1	5P1=2	5P1=3
<b>Residual limb circumference</b>	530 – 620 mm	450 – 560 mm	370 – 480 mm
<b>Dimensions (DxWxH)</b>	250x260x370 mm	210x220x370 mm	190x200x370 mm
<b>Material</b>	Poplar		

- The wooden socket can also be copied by Ottobock Service Fabrication. For more information, please consult the 646K71=D Service Catalogue.



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# Ordering information / list of keywords / index

For easy ordering, the following pages contain order forms for the products contained in this catalogue. These forms can be duplicated.

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# Genium – Bionic Prosthetic System




Fax to your Ottobock representative.

Customer		Shipping address (if different from customer address)	
Customer no.	<input type="text"/>	Customer no.	<input type="text"/>
Company	<input type="text"/>	Company	<input type="text"/>
Street	<input type="text"/>	Street	<input type="text"/>
Postal code/city	<input type="text"/>	Postal code/city	<input type="text"/>
Prosthetist	<input type="text"/>	Com.	<input type="text"/>

### Prosthesis user

Name .....  
 Age .....  
 Gender  male  female  
 Weight ..... kg  
 Size ..... cm  
 Knee – floor ..... cm  
 Foot size ..... cm  
 Color of footshell  beige  brown  
 Side of amputation  left  right  
 Bilateral amputation  yes  no

### Mobility Grade

Mobility Grade 2   
 Mobility Grade 3   
 Mobility Grade 4 

### Amputation level

Knee Disarticulation  
 Transfemoral  
 Hip Disarticulation  
 Hemipelvectomy

- Initial fitting of prosthesis (patient has never been fitted with a prosthesis before)
- Follow-up fitting

Current Prosthetic knee joint:

3C98(-1)/ 3C88(-1) C-Leg .....  
Serial no. ....

3C98(-2)/ 3C88(-2) C-Leg .....  
Serial no. ....

3C96(-1)/ 3C86(-1) C-Leg compact .....  
Serial no. ....

3B1 / 3B1=ST Genium .....  
Serial no. ....

Prefitting with another knee joint (Type/Name) .....

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# Genium – Bionic Prosthetic System

Fax to your Ottobock representative.

## Knee joint (minimum order quantity: 1)

- qty. **3B1** Genium – Bionic Prosthetic System, Pyramid Adapter
- qty. **3B1=ST** Genium – Bionic Prosthetic System, Screw Top

including following additional components:

757L16-3 AC Adapter, 4E60 Inductive Charger, 4X350 Remote Control, 4X259 Installation Ring for Inductive Charger

## Electronic Tube Adapter (minimum order quantity: 1)

- qty. **2R20** AXON Tube Adapter
- qty. **2R21** AXON Tube Adapter (Torsion Unit)

## Warranty (minimum order 1)

- 36 months
- 72 months

## Foot parts (minimum order quantity: 1)

- qty. **1M10** Adjust<sup>1</sup>
  - Footshell, shape slim (size 22 – 26)
  - Footshell, shape normal (size 22 – 30)
- qty. **1D35** Dynamic Motion<sup>1</sup>
- qty. **1C30** Trias<sup>1</sup>
- qty. **1C40** C-Walk<sup>1</sup>
- qty. **1E56** Axion (incl. Spektra sock and footshell)<sup>1</sup>
- qty. **1E57** Lo Rider (incl. Spektra sock and footshell)<sup>1</sup>
- qty. **1C60** Triton<sup>1</sup>
  - Footshell, shape slim<sup>2</sup>
  - Footshell, shape normal<sup>3</sup>
- qty. **1C61** Triton Vertical<sup>1</sup>
  - Footshell, shape slim<sup>2</sup>
  - Footshell, shape normal<sup>3</sup>
- qty. **1C62** Triton Harmony<sup>1</sup>
  - Footshell, shape slim<sup>2</sup>
  - Footshell, shape normal<sup>3</sup>
- qty. **1C63** Triton Low Profile<sup>1</sup>
  - Footshell, shape slim<sup>2</sup>
  - Footshell, shape normal<sup>3</sup>
- qty. **1C64** Triton Heavy Duty<sup>1</sup>
  - Footshell, shape slim<sup>2</sup>
  - Footshell, shape normal<sup>3</sup>

## Additional Information for 1E57, 1E56 and 1M10:

- Stiffness**  soft  medium  hard
- Impact load/Activity**
- Mobility Grade 3: Moderate activity and low impact load
  - Mobility Grade 4: Moderate activity and high impact load
  - Mobility Grade 3: Moderate activity and moderate impact load
  - Mobility Grade 4: High activity and high impact load

If foot is already existing: current prosthesis foot (type, side, size) .....

## Connection components

- qty. **4R57** Rotation Adapter
- qty. **4R57=ST** Rotation Adapter with Thread
- qty. **4R104=60** Double Adapter, movable
- qty. **4R104=75** Double Adapter, movable
- qty. **4R72=32** Double Adapter
- qty. **4R72=45** Double Adapter
- qty. **4R72=60** Double Adapter
- qty. **4R72=75** Double Adapter
- qty. **4R40** Torsion Adapter
- qty. **4R118** Adapter Plate
- qty. **4R43** Lamination Anchor with Threaded Connector (3-prong)
- qty. **4R89** Lamination Anchor with Pyramid Adapter (3-prong)
- qty. **4R41** Lamination Anchor with Pyramid Receiver (3-prong)
- qty. **4R111=N** Lamination Anchor with Threaded Connector (4-prong)
- qty. **4R111** Lamination Anchor with Pyramid Receiver (4-prong)
- qty. **4R116** Lamination Anchor with Pyramid Adapter (4-prong)
- qty. **4R119** Lamination Anchor with angled arm

## Foam cover

- qty. **3S26** Standard Foam Cover

## Accessories

- qty. **60X5** BionicLink PC
- qty. **OC1560=** ..... (size, XS-XXL) EasyFit donning sheath
- qty. **4X258** Installation Tool for Inductive Charger

<sup>1</sup> Please provide order information according to the Catalogue Prosthetics-Lower Extremities 646K2 and/or News 2011 Brochure 647G630.  
<sup>2</sup> for sizes 21 – 27  
<sup>3</sup> for sizes 24 – 30

The Genium – Bionic Prosthetic System is only offered as a complete system.

**The General Terms and Conditions of Otto Bock Healthcare apply.**

Date ..... Place ..... Signature .....





# Custom Carbon Protector 4X889=1 Measurement Form

Customer		Shipping address (if different from customer address)	
Customer no.	<input type="text"/>	Customer no.	<input type="text"/>
Company	<input type="text"/>	Company	<input type="text"/>
Street	<input type="text"/>	Street	<input type="text"/>
Postal code/city	<input type="text"/>	Postal code/city	<input type="text"/>
Prosthetist	<input type="text"/>	Com.	<input type="text"/>

### Patient information

Affected side:  left  right      Patient size: .....

Foot type: .....      Foot size: .....      Heel height: .....

Rotation adapter:  yes  no

Actual measurements:	Reduction for fabrication (only if desired)*:
ML measurement .....	ML measurement ..... max. 10.5 cm
Circumference .....	Circumference ..... min. 31.5 cm
Circumference .....	Circumference .....
Circumference .....	Circumference ..... min. 23 cm**

\* We recommend reducing measurements by at least 5%.  
\*\* Minimum ankle circumference for the Triton Vertical Shock/Harmony

### Prosthesis length measurements

L1 Foot attachment surface – heel: .....

L2 Knee rotation point – heel: .....

### Contralateral side length measurements

L3 Ankle – heel: .....

Date ..... Place ..... Signature .....

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# C-Leg Product Line – Leg Prosthesis System




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Street	<input type="text"/>	Street	<input type="text"/>
Postal code/city	<input type="text"/>	Postal code/city	<input type="text"/>
Prosthetist	<input type="text"/>	Com.	<input type="text"/>

## Prosthesis user

Name .....  
 Age .....  
 Gender  male  female  
 Weight ..... kg  
 Size ..... cm  
 Knee-floor ..... cm  
 Socket-floor ..... cm  
 Foot size ..... cm  
 Color of footshell  beige  brown  
 Side of amputation  left  right  
 Bilateral amputation  yes  no  
 Osseointegration  yes  no

### Mobility Grade

Mobility Grade 2   
 Mobility Grade 3   
 Mobility Grade 4 

### Amputation level

Knee Disarticulation  
 Transfemoral  
 Hip Disarticulation  
 Hemipelvectomy

Initial fitting of prosthesis with a C-Leg compact /C-Leg  
 Follow-up fitting with a C-Leg compact /C-Leg  
 Previous serial-number of C-Leg compact / C-Leg .....

The C-Leg compact / C-Leg leg prosthesis system is only offered as a complete system.  
 The General Terms and Conditions of Otto Bock HealthCare GmbH apply.

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# C-Leg Product Line – Leg Prosthesis System

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## C-Leg compact (incl. Wireless Remote Control)

- qty. **3C96-1** C-Leg compact
- qty. **3C86-1** C-Leg compact for long residual limb

## C-Leg (incl. Wireless Remote Control)

- qty. **3C98-2** C-Leg
- qty. **3C98-2=7.1** C-Leg carbon black metallic
- qty. **3C88-2** C-Leg for long residual limb
- qty. **3C88-2=7.1** C-Leg for long residual limb carbon black metallic

## Warranty (minimum selection: 1)

- 36-month standard warranty for C-Leg compact / C-Leg (incl. service in the 24th month)
- SMP-3C98-2=5** 60-month extended warranty for C-Leg (incl. service in the 24th and 48th month)

## Electronic Tube Adapter (minimum order quantity: 1)

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> qty. <b>2R80</b> (standard) for C-Leg compact | <input type="checkbox"/> qty. <b>2R82</b> (standard) for C-Leg | <input type="checkbox"/> qty. <b>2R81</b> (torsion unit) for C-Leg compact / C-Leg |
| <b>Length:</b> <input type="checkbox"/> 110 mm (max. 100 kg)           | <b>Length:</b> <input type="checkbox"/> 110 mm (max. 100 kg)   | <b>Length:</b> <input type="checkbox"/> 160 mm (max. 125 kg)                       |
| <input type="checkbox"/> 120 mm (max. 125 kg)                          | <input type="checkbox"/> 120 mm (max. 136 kg)                  | <input type="checkbox"/> 200 mm (max. 125 kg)                                      |
| <input type="checkbox"/> 160 mm (max. 125 kg)                          | <input type="checkbox"/> 160 mm (max. 136 kg)                  | <input type="checkbox"/> 240 mm (max. 125 kg)                                      |
| <input type="checkbox"/> 200 mm (max. 125 kg)                          | <input type="checkbox"/> 200 mm (max. 136 kg)                  |  |
| <input type="checkbox"/> 240 mm (max. 125 kg)                          | <input type="checkbox"/> 240 mm (max. 136 kg)                  |  |

## Connection components

- |   |  |
|---|--|
| <input type="checkbox"/> qty. <b>4R57</b> Rotation Adapter                | <input type="checkbox"/> qty. <b>4R40</b> Torsion Adapter  |
| <input type="checkbox"/> qty. <b>4R57=ST</b> Rotation Adapter with Thread | <input type="checkbox"/> qty. <b>4R118</b> Adapter Plate   |
| <input type="checkbox"/> qty. <b>4R104=60</b> Double Adapter, movable     | <input type="checkbox"/> qty. <b>4R43</b> Lamination Anchor with Threaded Connector (3-prong)    |
| <input type="checkbox"/> qty. <b>4R104=75</b> Double Adapter, movable     | <input type="checkbox"/> qty. <b>4R89</b> Lamination Anchor with Pyramid Adapter (3-prong)       |
| <input type="checkbox"/> qty. <b>4R72=32</b> Double Adapter               | <input type="checkbox"/> qty. <b>4R41</b> Lamination Anchor with Pyramid Receiver (3-prong)      |
| <input type="checkbox"/> qty. <b>4R72=45</b> Double Adapter               | <input type="checkbox"/> qty. <b>4R111=N</b> Lamination Anchor with Threaded Connector (4-prong) |
| <input type="checkbox"/> qty. <b>4R72=60</b> Double Adapter               | <input type="checkbox"/> qty. <b>4R111</b> Lamination Anchor with Pyramid Receiver (4-prong)     |
| <input type="checkbox"/> qty. <b>4R72=75</b> Double Adapter               | <input type="checkbox"/> qty. <b>4R116</b> Lamination Anchor with Pyramid Adapter (4-prong)      |
|   | <input type="checkbox"/> qty. <b>4R119</b> Lamination Anchor with angled arm                     |

## Foot parts (minimum order quantity: 1)

- |   |   |
|---|---|
| <input type="checkbox"/> qty. <b>1M10</b> Adjust <sup>1</sup>   | <input type="checkbox"/> qty. <b>1C30</b> Trias <sup>1</sup>  |
| <input type="checkbox"/> Footshell slim (size 22 – 26)  | <input type="checkbox"/> qty. <b>1C40</b> C-Walk <sup>1</sup>   |
| <input type="checkbox"/> Footshell normal (size 22 – 30)  | <input type="checkbox"/> qty. <b>1E56</b> Axtion (incl. Spektra sock and footshell) <sup>1</sup>  |
| <input type="checkbox"/> qty. <b>1D10</b> Men's Dynamic Foot with Toes <sup>1</sup> (incl. 2R31 and 2R14)   | <input type="checkbox"/> qty. <b>1E57</b> Lo Rider (incl. Spektra sock and footshell) <sup>1</sup>  |
| <input type="checkbox"/> qty. <b>1D11</b> Women's Dynamic Foot with Toes <sup>1</sup> (incl. 2R31 and 2R14) | <input type="checkbox"/> qty. <b>1C60</b> Triton <sup>1</sup> Footshell: <input type="checkbox"/> slim <sup>2</sup> <input type="checkbox"/> normal <sup>3</sup>                |
| <input type="checkbox"/> qty. <b>1A30</b> Greissinger plus <sup>1</sup>                                     | <input type="checkbox"/> qty. <b>1C61</b> Triton Vertical Shock <sup>1</sup> Footshell: <input type="checkbox"/> slim <sup>2</sup> <input type="checkbox"/> normal <sup>3</sup> |
| <input type="checkbox"/> qty. <b>1D35</b> Dynamic Motion <sup>1</sup>                                       | <input type="checkbox"/> qty. <b>1C62</b> Triton Harmony <sup>1</sup> Footshell: <input type="checkbox"/> slim <sup>2</sup> <input type="checkbox"/> normal <sup>3</sup>        |
|   | <input type="checkbox"/> qty. <b>1C63</b> Triton Low Profile <sup>1</sup> Footshell: <input type="checkbox"/> slim <sup>2</sup> <input type="checkbox"/> normal <sup>3</sup>    |
|   | <input type="checkbox"/> qty. <b>1C64</b> Triton Heavy Duty <sup>1</sup> Footshell: <input type="checkbox"/> slim <sup>2</sup> <input type="checkbox"/> normal <sup>3</sup>     |

## Additional Information for 1M10, 1E56 and 1E57:

- Stiffness**  soft  medium  hard
- Impact load/Activity**  Mobility Grade 3: Moderate activity and low impact load  Mobility Grade 3: Moderate activity and moderate impact load
- Mobility Grade 4: Moderate activity and high impact load  Mobility Grade 4: High activity and high impact load

If foot is already existing: current prosthesis foot (type, side, size) .....

## Cover

- qty. **4X160** Protector  dolphin (=1.2)  blue (=5.6)
- qty. **3S26** Standard foam cover
- qty. **3R59** Customized foam cover (Please use separate order form)

## Accessories

- qty. **4X74** 12 V Car-Charger Cable for 4E50-2
- qty. **4X78** Charger Extension Cable
- qty. **4X79** Plug Holder
- qty. **OC1560=** (size, XS-XXL) EasyFit donning sheath

## AC Adapter (minimum order quantity: 1 of each)

- qty. **757L16-2** AC Adapter
- qty. **4E50-2** Battery Charger for C-Leg compact / C-Leg

<sup>1</sup> Please provide order information according to the Catalogue Prosthetics Lower Extremities 646K2 and/or News 2011 Brochure 647G630.

<sup>2</sup> for sizes 21 – 27

<sup>3</sup> for sizes 24 – 30

Date ..... Place ..... Signature .....



# Aqualine® Cover Measurement Form

Fax to your Ottobock representative.

Customer		Shipping address (if different from customer address)	
Customer no.	<input type="text"/>	Customer no.	<input type="text"/>
Company	<input type="text"/>	Company	<input type="text"/>
Street	<input type="text"/>	Street	<input type="text"/>
Postal code/city	<input type="text"/>	Postal code/city	<input type="text"/>
Prosthetist	<input type="text"/>	Com.	<input type="text"/>

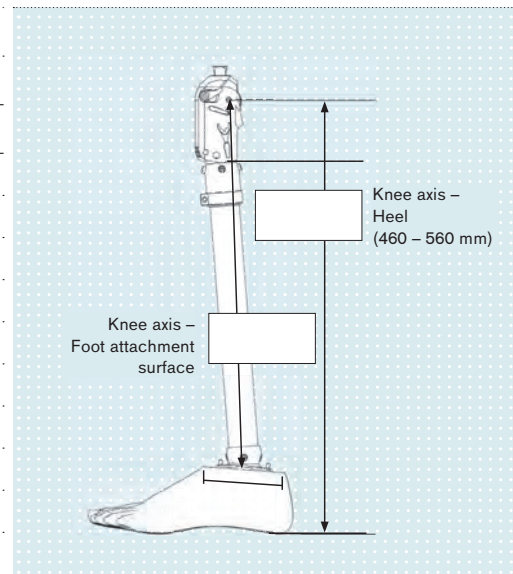
### Patient information

Side  left  right

Mobility grade  Weight

	Foot size	Calf circumference	Allowable knee axis-heel measurement	Measured knee axis-heel measurement
<input type="checkbox"/>	24	S (330 mm)	460–510 mm	<input type="text"/> mm
<input type="checkbox"/>	24	M (370 mm)	500–560 mm	<input type="text"/> mm
<input type="checkbox"/>	25	S (330 mm)	460–510 mm	<input type="text"/> mm
<input type="checkbox"/>	25	M (370 mm)	500–560 mm	<input type="text"/> mm
<input type="checkbox"/>	26	M (370 mm)	460–560 mm	<input type="text"/> mm
<input type="checkbox"/>	26	L (410 mm)	510–560 mm	<input type="text"/> mm
<input type="checkbox"/>	27	M (370 mm)	460–560 mm	<input type="text"/> mm
<input type="checkbox"/>	27	L (410 mm)	510–560 mm	<input type="text"/> mm
<input type="checkbox"/>	28	M (370 mm)	460–560 mm	<input type="text"/> mm
<input type="checkbox"/>	28	L (410 mm)	510–560 mm	<input type="text"/> mm

### Prosthesis data



### Further Aqualine® components (modular structure)

- Include components in delivery  Complete assembly  635Z56 Superskin Repair Kit
- Silicone Liner 6Y40=  (size) or  21Y14 Push Valve  21Y21 ClickValve
- 6A30=20 Shuttle Lock
- 4WR95=1 Lamination Anchor with Pyramid Receiver  4WR95=2 Lamination Anchor with Pyramid Adapter
- 3WR95 Aqua-Knee
- 4WR95=3 Tube Clamp Adapter  2WR95 Tube Adapter  2WR95=1 Tube Adapter, angled
- Aqua-Foot (with pyramid connector) 1WR95= side:  left  right Foot size:

Date  Place  Signature



# Aqualine® Fax Order Form

Fax to your Ottobock representative.

Customer		Shipping address (if different from customer address)	
Customer no.	<input type="text"/>	Customer no.	<input type="text"/>
Company	<input type="text"/>	Company	<input type="text"/>
Street	<input type="text"/>	Street	<input type="text"/>
Postal code/city	<input type="text"/>	Postal code/city	<input type="text"/>
Prosthetist	<input type="text"/>	Com.	<input type="text"/>

Components for modular structure	Designation	Article number	Quantity
	Silicone Liner	6Y40 = ..... Size	
	Shuttle Lock	6A30=20	
	or		
	1 Click Valve	21Y21	
	2 Lamination Anchor with Pyramid Receive	4WR95=1	
	3 Lamination Anchor with Pyramid Adapter	4WR95=2	
	4 Aqua-Knee	3WR95	
	5 Tube Clamp Adapter	4WR95=3	
6 Tube Adapter	2WR95		
7 Tube Adapter, angled	2WR95=1		
8 Aqua-Foot (with pyramid connector)	1WR95=		
	Side: <input type="checkbox"/> left <input type="checkbox"/> right		
	Foot size: .....		
	Colour: <input type="checkbox"/> 4 beige		

Please order the cosmetics with separate order form. For questions please contact our customer service.

Date ..... Place ..... Signature .....

- About this catalogue
- Modular lower limb prostheses
- Lower limb prostheses for children
- Initial/interim prostheses
- Waterproof walking devices
- Sport prostheses
- Prosthetic feet
- Adapter
- Knee joints
- Hip joints
- Socket Technologies
- Cosmetic covers
- Exoskeletal
- Index



# Fax Order Form for 1M10 Adjust

Fax to your Ottobock representative.

Customer				Shipping address (if different from customer address)			
Customer no.				Customer no.			
Company				Company			
Street				Street			
Postal code/city				Postal code/city			
Prosthetist				Com.			

Quantity	Order no.	Side	Size	-	Stiffness	-P/	Colour	Shape
<input type="text"/>	1M10=	<input type="text"/>	<input type="text"/>	-	<input type="text"/>	-P/	<input type="text"/>	<input type="text"/>
<input type="text"/>	1M10=	<input type="text"/>	<input type="text"/>	-	<input type="text"/>	-P/	<input type="text"/>	<input type="text"/>

	Side	Normal (N)	Size (cm)	Beige	Colour	Normal foot shape, heel height 10 mm (+/- 5 mm)	Shape
Right	R	Normal (N)	22, 23, 24, 25, 26, 27, 28, 29, 30	4	15	Small foot shape, heel height 20 mm (+/- 5 mm)	N
Left	L			Light brown			S
		Small (S)	22, 23, 24, 25, 26				

Size [cm]				Stiffness
22-23	24-25	26-27	28-30	
bis 52 kg	bis 58 kg	bis 72 kg	bis 77 kg	1
53-68 kg	59-76 kg	73-95 kg	78-100 kg	2
69-80 kg	77-100 kg	96-125 kg	101-125 kg	3

When ordering a 1M10 Adjust, the delivery will include the 2C1 Footshell inclusive connection cap and a Spectra-Sock.



Order example  
1M10=L27-3-P/4N

### Additional components

Quantity	Order no.	Quantity	Order no.

Date ..... Place ..... Signature .....



# 1C30 Trias

Fax to your Ottobock representative.

Customer				Shipping address (if different from customer address)			
Customer no.				Customer no.			
Company				Company			
Street				Street			
Postal code/city				Postal code/city			
Prosthetist				Com.			

Quantity	Article no.	Side	Size	Stiffness	P	Colour	Shape
	1C30=				- P /		
	1C30=				- P /		

Order example for 1C30 Trias with normal footshell  
1C30=R26-1-P/4

Order example for 1C30 Trias with slim footshell  
1C30=R26-1-P/4S

Side	Size [cm]
Right R	21, 22, ..., 30
Left L	

Colour	Shape
Beige 4	Normal
Light brown 15	Slim S

The scope of delivery for the Trias includes the 2C3 Footshell with connection cap and a Spectra sock. The footshell is available in a slim version with 20 mm heel height and a normal version with 10 mm heel height.



### Stiffness chart

Body weight	Sizes									
	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
45 – 60 kg	1	1	1	1	-	-	-	-	-	-
61 – 80 kg	2	2	2	2	1	1	1	1	-	-
81 – 95 kg	-	-	3	3	2	2	2	2	1	1
96 – 110 kg	-	-	-	-	3	3	3	3	2	2
111 – 125 kg	-	-	-	-	-	-	4	4	3	3

● Normal and slim footshell available    ● Normal footshell available

### Additional components

Quantity	Article no.	Quantity	Article no.

Date ..... Place ..... Signature .....

- About this catalogue
- Modular lower limb prostheses
- Lower limb prostheses for children
- Initial/interim prostheses
- Waterproof walking devices
- Sport prostheses
- Prosthetic feet
- Adapter
- Knee joints
- Hip joints
- Socket Technologies
- Cosmetic covers
- Exoskeletal
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# Triton, Triton Low Profile, Triton Heavy Duty

Fax to your Ottobock representative.

Customer		Shipping address (if different from customer address)	
Customer no.	<input type="text"/>	Customer no.	<input type="text"/>
Company	<input type="text"/>	Company	<input type="text"/>
Street	<input type="text"/>	Street	<input type="text"/>
Postal code/city	<input type="text"/>	Postal code/city	<input type="text"/>
Prosthetist	<input type="text"/>	Com.	<input type="text"/>

Quantity	Article number	Side	Size	Stiffness	P /	Colour	Shape
<input type="checkbox"/>	1C60=			-	- P /		
<input type="checkbox"/>	1C63=			-	- P /		
<input type="checkbox"/>	1C64=			-	- P /		

Side	Size [cm]	Colour	Shape
Right R	21, 22, ..., 30	Beige 4	Normal N
Left L		Light brown 15	Slim S

**Stiffness**

Body weight	Size (cm)									
	21	22	23	24	25	26	27	28	29	30
up to 55 kg (121 lbs)	1	1	1	1	1	1	-	-	-	-
56 – 75 kg (123 – 165 lbs)	2	2	2	2	2	2	2	2	2	2
76 – 100 kg (167 – 220 lbs)	3	3	3	3	3	3	3	3	3	3
101 – 125 kg (222 – 275 lbs)	-	-	-	-	4	4	4	4*	4*	4*
126 – 150 kg (277 – 330 lbs)	-	-	-	-	5	5	5*	5*	5***	5***

slim footshell available (15 mm heel height)
  both footshells available
  normal footshell available (10 mm heel height)

Order includes: Suitable Foot, Spectra protective sock, a set of Heel Wedges and the Functional Footshell

\* When combining this configuration with the C-Leg, please contact the Ottobock Customer Service.  
 \*\*\* When combining this configuration with the Genium or the C-Leg, please contact the Ottobock Customer Service.

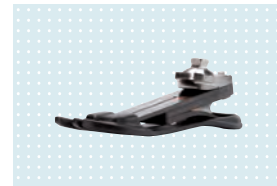
**Additional components**

Quantity	Article number	Quantity	Article number
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Date ..... Place ..... Signature .....



1C60 Triton



1C63 Triton Low Profile



1C64 Triton Heavy Duty





# Triton Vertical Shock, Triton Harmony®

Fax to your Ottobock representative.

Customer				Shipping address (if different from customer address)			
Customer no.				Customer no.			
Company				Company			
Street				Street			
Postal code/city				Postal code/city			
Prosthetist				Com.			

Quantity	Article number	Side	Size	Spring-Stiffness	Funktional Ring-Stiffness	P / Colour	Shape
<input type="checkbox"/>	1C61=			-	-	- P /	
<input type="checkbox"/>	1C62=			-	-	- P /	

Side	Size [cm]	Colour	Shape
Right R	21, 22, ..., 30	Beige 4	Normal N
Left L		Light brown 15	Slim S

Stiffness (Spring-Stiffness – Funktional Ring-Stiffness)

Body weight	Size (cm)									
	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
40 – 47 kg (88 – 103 lbs)	1 – 0 special order – please contact customer service									
48 – 55 kg (105 – 121 lbs)	1-1	1-1	1-1	1-1	1-1	1-1	-	-	-	-
56 – 65 kg (123 – 143 lbs)	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2
66 – 75 kg (145 – 165 lbs)	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3
76 – 87 kg (167 – 191 lbs)	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4
88 – 100 kg (193 – 220 lbs)	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5
101 – 112 kg (222 – 246 lbs)	-	-	-	-	4-6	4-6	4-6	4-6	4-6**	4-6**
113 – 125 kg (248 – 275 lbs)	-	-	-	-	4-7	4-7	4-7	4-7	4-7**	4-7**
126 – 137 kg (279 – 301 lbs)	-	-	-	-	5-8	5-8	5-8*	5-8*	5-8*	5-8*
138 – 150 kg (303 – 330 lbs)	-	-	-	-	5-9	5-9	5-9	5-9	5-9	5-9

slim footshell available (15 mm heel height)
  both footshells available
  normal footshell available (10 mm heel height)

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

\*\* When combining this configuration with the C-Leg or the C-Leg compact, please contact the Ottobock Customer Service.

Order includes: Suitable Foot, Spectra protective sock, a set of Heel Wedges and the Functional Footshell

### Additional components

Quantity	Article number	Quantity	Article number

Date ..... Place ..... Signature .....



1C61 Triton Vertical Shock



1C62 Triton Harmony®

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Socket Technologies  
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Exoskeletal  
Index



# Prosthetic feet (selection)

General patient information · Fax to your Ottobock representative.

Customer		Shipping address (if different from customer address)	
Customer no.	<input type="text"/>	Customer no.	<input type="text"/>
Company	<input type="text"/>	Company	<input type="text"/>
Street	<input type="text"/>	Street	<input type="text"/>
Postal code/city	<input type="text"/>	Postal code/city	<input type="text"/>
Prosthetist	<input type="text"/>	Com.	<input type="text"/>

### Patient data

Name:

Age:

Gender:  male  female

Weight:  kg

Size:

Foot size:

Heel height:

Affected side:  Left  Right  Both

Current foot (model):

### Stiffness/ flexibility

hard  medium

soft

### Amputation level (optional information)

Symes/Chopart  Transtibial – lower leg

**A** Structural height: end of socket to floor ..... mm

OR

**B** MTP to floor (sound limb) ..... mm

**C** MTP to end of socket ..... mm

Structural height: **B** - **C** ..... mm

### Prosthesis wearer mobility grade

**Mobility grade 3**

**Moderate activity and low impact load** Everyday activities such as walking and climbing stairs

**Moderate activity and moderate impact load** Everyday activities, fast walking, even on difficult terrain, leisure activities such as hiking, playing golf, etc.

**Mobility grade 4**

**Moderate activity and high impact load** Varied activities, above-average impact and mechanical strain on the prosthesis

**High activity and high impact load** Leisure activities such as skiing, sprinting, weight-lifting etc.

Keen disarticulation  Transfemoral – thigh

Hip disarticulation

Knee component:

**A** Structural height:

End of knee component to floor ..... mm

OR

**B** MTP to floor (sound limb) ..... mm

**C** Centre of knee to end of knee component ..... mm

Structural height: **B** - **C** ..... mm

Other

Date  Place  Signature



# Pylon Foot Systems

Page 2/3

## Axtion DP

- 1E58** (13 mm heel height)  
system height: A, B-pylon max. 368 mm

## Springlite II

- 1E61** (13 mm heel height)
  - Standard pylon** system height: A, B-pylon max. 368 mm
  - Long pylon** system height: A, B-pylon max. 495 mm

## Advantage DP2

- 1E50** (9 mm heel height)
  - Standard pylon** system height: A, B-pylon max. 370 mm
  - Long pylon** system height: A, B-pylon max. 498 mm
- 1E51** (19 mm heel height)
  - Standard pylon** system height: A, B-pylon max. 362 mm
  - Long pylon** system height: A, B-pylon max. 498 mm

**Adapter options for:**  
Axtion DP  
Advantage DP2  
Springlite II

	A-Pylon	Pyramid Adapter/ Pyramid Receiver	Tube Connection	Socket Adapter
	A-Pylon	<input type="checkbox"/> 4R82=P <input type="checkbox"/> 4R82 <input type="checkbox"/> 2R183 <input type="checkbox"/> 2R183=L	<input type="checkbox"/> 2R182=30 <input type="checkbox"/> 2R183	<input type="checkbox"/> 4R431=1 <input type="checkbox"/> 4R431=2 <input type="checkbox"/> 4R415
	B-Pylon		<input type="checkbox"/> 2R185=30 <input type="checkbox"/> 2R185=34	<input type="checkbox"/> 4R432=1 <input type="checkbox"/> 4R432=2 <input type="checkbox"/> 4R415
	A-Pylon	<input type="checkbox"/> 4R82=P <input type="checkbox"/> 4R82 <input type="checkbox"/> 2R183 <input type="checkbox"/> 2R183=L	<input type="checkbox"/> 2R182=22 <input type="checkbox"/> 2R182=30 <input type="checkbox"/> 2R183	<input type="checkbox"/> 4R431=1 <input type="checkbox"/> 4R431=2 <input type="checkbox"/> 4R415
	B-Pylon			

## Children's Springlite II

- 1E66** (6 mm heel height)  
system height: max. 375 mm

**Adapter options for:**  
Children's Springlite II

## Footshells for Axtion DP, Advantage DP2, Springlite II

Quantity	Article no.	Sizes	Colours
	2C5= <input type="text"/> <input type="text"/> <input type="text"/> Side Size Colour	22-31 cm	4 beige 15 light brown

## for Children's Springlite II

Quantity	Article no.	Sizes
	2E3= <input type="text"/> <input type="text"/> Side Size	13 – 21 cm

- 2C100 Footshell Removal Tool

## Scope of delivery:

### Axtion DP:

The scope of delivery includes a tool to remove the footshell, a Spectra sock and crepe soles.

### Advantage DP2, Springlite II, Children's Springlite II:

The scope of delivery includes a Spectra sock and crepe soles.

Date ..... Place ..... Signature .....

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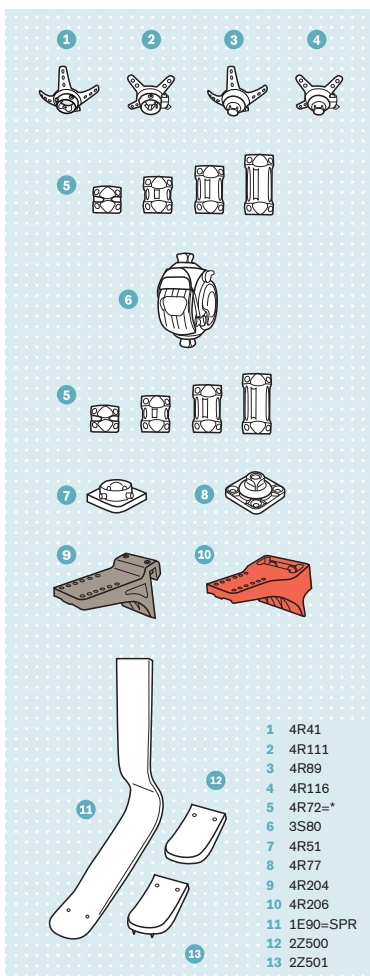
# TF Sport Prosthesis Fax Order Form

Fax to your Ottobock representative.

Customer		Shipping address (if different from customer address)	
Customer no.	<input type="text"/>	Customer no.	<input type="text"/>
Company	<input type="text"/>	Company	<input type="text"/>
Street	<input type="text"/>	Street	<input type="text"/>
Postal code/city	<input type="text"/>	Postal code/city	<input type="text"/>
Prosthetist	<input type="text"/>	Com.	<input type="text"/>

## Sport Prosthesis System Overview

Please check off the required components and specify the order quantity.



Quantity	Article number	Designation
<input type="checkbox"/>	<b>4R41</b>	Lamination Anchor with Pyramid Receiver, rotating
<input type="checkbox"/>	<b>4R111</b>	Lamination Anchor with Pyramid Receiver, rotating
<input type="checkbox"/>	<b>4R89</b>	Lamination Anchor with Pyramid Adapter, rotating
<input type="checkbox"/>	<b>4R116</b>	Lamination Anchor with Pyramid Adapter, rotating
<input type="checkbox"/>	<b>4R72=32</b>	Double Adapter
<input type="checkbox"/>	<b>4R72=45</b>	Double Adapter
<input type="checkbox"/>	<b>4R72=60</b>	Double Adapter
<input type="checkbox"/>	<b>4R72=75</b>	Double Adapter
<input type="checkbox"/>	<b>3S80</b>	Knee Joint
<input type="checkbox"/>	<b>4R51</b>	Adapter with Pyramid Receiver, rotating
<input type="checkbox"/>	<b>4R77</b>	Adapter with Pyramid Adapter, rotating
<input type="checkbox"/>	<b>4R204</b>	Sport Foot Adapter
<input type="checkbox"/>	<b>4R206</b>	Test Foot Adapter
<input type="checkbox"/>	<b>2Z500</b>	Outer Sole without Spikes
<input type="checkbox"/>	<b>2Z501</b>	Outer Sole with Spikes
<input type="checkbox"/>	<b>642C3</b>	Bag for Transfemoral Prosthesis (120cm)
<input type="checkbox"/>	<b>642C3=1</b>	Bag for Transtibial Prosthesis (65cm)

### 1E90 Sprinter

	Stiffness version	Short-distance running	Long-distance running
		Body weight	Body weight
<input type="checkbox"/>	<b>SPR-1</b>	40 – 52 kg	40 – 59 kg
<input type="checkbox"/>	<b>SPR-2</b>	53 – 63 kg	60 – 70 kg
<input type="checkbox"/>	<b>SPR-3</b>	64 – 79 kg	71 – 86 kg
<input type="checkbox"/>	<b>SPR-4</b>	80 – 95 kg	87 – 100 kg
<input type="checkbox"/>	<b>SPR-5</b>	96 – 100 kg	–

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# ProCarve fax order form

## Fax to your Ottobock representative.

Customer		Shipping address <small>(if different from customer address)</small>	
Customer no.	<input type="text"/>	Customer no.	<input type="text"/>
Name of company	<input type="text"/>	Name of company	<input type="text"/>
Street	<input type="text"/>	Street	<input type="text"/>
Postal code/city	<input type="text"/>	Postal code/city	<input type="text"/>
Phone number	<input type="text"/>	Phone number	<input type="text"/>
Prosthetist/orthotist	<input type="text"/>	Patient name	<input type="text"/>

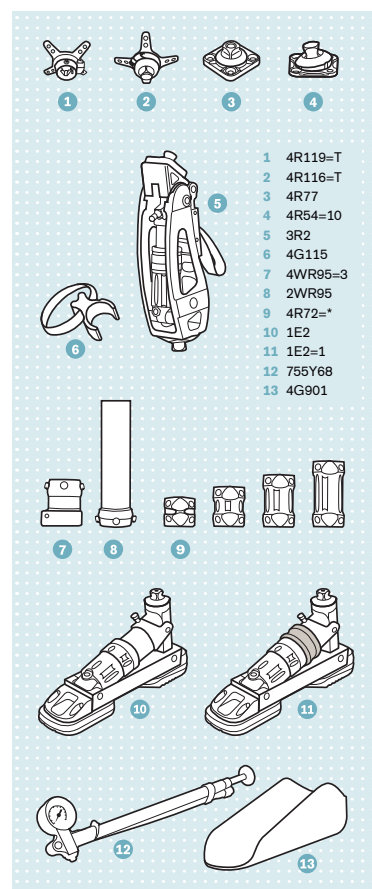
Please check off the required components and specify the order quantity.

The 3R2 ProCarve Knee can only be ordered in combination with the 1E2/1E2=1 ProCarve Foot. The 1E2/1E2=1 ProCarve Foot can be used as an independent unit in the case of a below-knee amputation.

The 4G901 Footshell and 755Y68 High-Pressure Air Pump are included in the scope of delivery of the foot; the 4G115 Blocking Clip is included in the scope of delivery of the knee.

	Quantity	Article number	Description
<input type="checkbox"/>		<b>3R2</b>	ProCarve prosthetic knee
<input type="checkbox"/>		<b>1E2</b>	ProCarve prosthetic foot, standard version
<input type="checkbox"/>		<b>1E2=1</b>	ProCarve prosthetic foot, stiffer version
<input type="checkbox"/>		<b>4R119=T</b>	Lamination anchor with pyramid receiver, rotatable, corrosion resistant
<input type="checkbox"/>		<b>4R116=T</b>	Lamination anchor with pyramid adapter, rotatable, corrosion resistant
<input type="checkbox"/>		<b>4R77</b>	Socket adapter with pyramid adapter, rotatable
<input type="checkbox"/>		<b>4R54=10</b>	Socket adapter with pyramid adapter, angled at 10°
<input type="checkbox"/>		<b>4R72=32</b>	Double adapter
<input type="checkbox"/>		<b>4R72=45</b>	Double adapter
<input type="checkbox"/>		<b>4R72=60</b>	Double adapter
<input type="checkbox"/>		<b>4R72=75</b>	Double adapter
<input type="checkbox"/>		<b>4WR95=3</b>	Tube clamp adapter
<input type="checkbox"/>		<b>2WR95</b>	Tube adapter

### ProCarve system overview



Date ..... Place ..... Signature .....



# Prosthetic Sport Feet

General patient information · Fax to your Ottobock representative.

Customer		Shipping address (if different from customer address)	
Customer no.	<input type="text"/>	Customer no.	<input type="text"/>
Company	<input type="text"/>	Company	<input type="text"/>
Street	<input type="text"/>	Street	<input type="text"/>
Postal code/city	<input type="text"/>	Postal code/city	<input type="text"/>
Prosthetist	<input type="text"/>	Com.	<input type="text"/>

<p><b>Patient data</b></p> <p>Name: <input type="text"/></p> <p>Age: <input type="text"/></p> <p>Gender: <input type="checkbox"/> male <input type="checkbox"/> female</p> <p>Weight: <input type="text"/> kg</p> <p>Size: <input type="text"/></p> <p>Foot size: <input type="text"/></p> <p>Affected side: <input type="checkbox"/> Left <input type="checkbox"/> Right</p> <p>Current foot (model): <input type="text"/></p>	<p><b>Activity</b></p> <p><input type="checkbox"/> Competitive sports <input type="checkbox"/> Recreational sports</p> <p>Training units/week: <input type="text"/></p> <p>Focus on: <input type="checkbox"/> Sprinting <input type="checkbox"/> 100 m <input type="checkbox"/> 200 m <input type="checkbox"/> 400 m</p> <p><input type="checkbox"/> Long-distance running</p> <p>Other disciplines/miscellaneous: <input type="text"/></p>
<p><b>Amputation level (optional information)</b></p> <p><input type="checkbox"/> Transtibial – lower leg</p> <p><b>A</b> Structural height: end of socket to floor <input type="text"/> mm</p> <p>OR</p> <p><b>B</b> MTP to floor (sound limb) <input type="text"/> mm</p> <p><b>C</b> MTP to end of socket <input type="text"/> mm</p> <p>Structural height: <b>B</b> - <b>C</b> <input type="text"/> mm</p>	<p><input type="checkbox"/> Keen disarticulation <input type="checkbox"/> Transfemoral – thigh</p> <p>Knee component: <input type="text"/></p> <p><b>A</b> Structural height: End of knee component to floor <input type="text"/> mm</p> <p>OR</p> <p><b>B</b> MTP to floor (sound limb) <input type="text"/> mm</p> <p><b>C</b> Centre of knee to end of knee component <input type="text"/> mm</p> <p>Structural height: <b>B</b> - <b>C</b> <input type="text"/> mm</p> <p><input type="checkbox"/> Other <input type="text"/></p>

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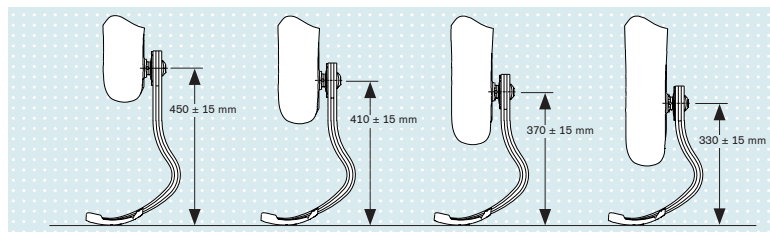
# Prosthetic Sport Feet

Fax order to: +49 5527 848-1414 · Page 2/2



- 1C2 C-Sprint®**  
for transtibial amputees

Adjustment option +/- 15 mm with slotted hole



Adapter plate, socket adapter and rollover contour with spikes included in scope of delivery.

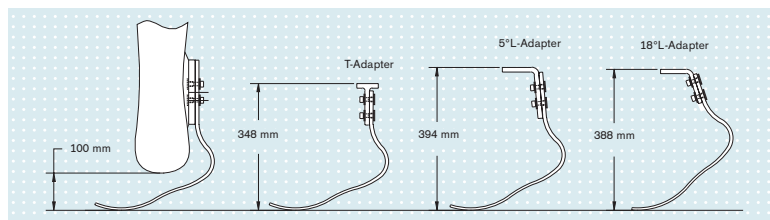
**Spare parts (optional)**

- 2R111 Adapter Plate**
- 4R51 Socket Adapter with Rotation Adjustment**
- 2Z285 Rollover Contour with Spikes**

C-Sprint® is a registered trademark in Germany



- 1E90 Sprinter**  
for transtibial and transfemoral amputees



Adapter available as an accessory

**Spare parts (optional)**

- 4R420 Posterior Connection Plate (set)**
- 2R176=T "T" Adapter**
- 2R177=5 "L" Adapter\*\* 5°**
- 2R177=18 "L" Adapter\*\* 18**

\*\* The version delivered depends on usage (short/long distance) and body weight

Date ..... Place ..... Signature .....





# Carbon Fibre Footplates

Fax to your Ottobock representative.

Customer		Shipping address (if different from customer address)	
Customer no.	<input type="text"/>	Customer no.	<input type="text"/>
Company	<input type="text"/>	Company	<input type="text"/>
Street	<input type="text"/>	Street	<input type="text"/>
Postal code/city	<input type="text"/>	Postal code/city	<input type="text"/>
Prosthetist	<input type="text"/>	Com.	<input type="text"/>

Quantity	Footplate type	Description	Size	Stiffness
<input type="text"/>	<b>Flat (F)</b> SL= F <input type="text"/> <input type="text"/> Size Stiffness	Carbon fibre footplate, flat, in the shape of an insole.	<input type="checkbox"/> 16 (14–16 cm) <input type="checkbox"/> 19 (17–19 cm) <input type="checkbox"/> 22 (20–22 cm) <input type="checkbox"/> 25 (23–25 cm) <input type="checkbox"/> 28 (26–28 cm) <input type="checkbox"/> 31 (29–31 cm)	
<input type="text"/>	<b>Arched (A)</b> SL= A <input type="text"/> <input type="text"/> <input type="text"/> Side Size Stiffness	Carbon fibre footplate with slight lengthwise arch, without heel.	<input type="checkbox"/> 22 (20–22 cm) <input type="checkbox"/> 25 (23–25 cm) <input type="checkbox"/> 28 (26–28 cm) <input type="checkbox"/> 31 (29–31 cm)	<input type="checkbox"/> S (soft) <input type="checkbox"/> M (medium) <input type="checkbox"/> F (firm) <input type="checkbox"/> XF (extra firm) <input type="checkbox"/> XXF (extra extra firm)
<input type="text"/>	<b>Heel (13 mm), arched (HA)</b> SL= HA <input type="text"/> <input type="text"/> <input type="text"/> Side Size Stiffness	Carbon fibre footplate with slight lengthwise arch and 13 mm heel.	<input type="checkbox"/> 22 (20–22 cm) <input type="checkbox"/> 25 (23–25 cm) <input type="checkbox"/> 28 (26–28 cm) <input type="checkbox"/> 31 (29–31 cm)	
<input type="text"/>	<b>Contour (CFP)</b> SL= CFP <input type="text"/> <input type="text"/> Size Stiffness	Carbon fibre footplate with contoured forefoot and 13 mm heel.	<input type="checkbox"/> 22 (20–22 cm) <input type="checkbox"/> 25 (23–25 cm) <input type="checkbox"/> 28 (26–28 cm) <input type="checkbox"/> 31 (29–31 cm)	
<input type="text"/>	<b>Morten's Extension, flat</b> SL= ME-F- <input type="text"/> (standard) Stiffness	Carbon fibre footplate with integrated Hallux Varus profile in forefoot.	<input type="checkbox"/> standard (20 cm long)	
<input type="text"/>	SL= MEL-F- <input type="text"/> (long) Stiffness	Adaptation to various sizes by sanding.	<input type="checkbox"/> long (25.5 cm long)	<input type="checkbox"/> M (medium) <input type="checkbox"/> F (firm)
<input type="text"/>	<b>Morten's Extension, contoured</b> SL= ME-C- <input type="text"/> <input type="text"/> (standard) Side Stiffness	Carbon fibre footplate with integrated Hallux Varus profile in forefoot.	<input type="checkbox"/> standard (20 cm long)	
<input type="text"/>	SL= MEL-C- <input type="text"/> <input type="text"/> (long) Side Stiffness	Adaptation to various sizes by sanding.	<input type="checkbox"/> long (25.5 cm long)	

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# Measurement Form for Polyurethane (PUR) Liner Transtibial and Syme amputations

Customer		Shipping address (if different from customer address)	
Customer no.	<input type="text"/>	Customer no.	<input type="text"/>
Company	<input type="text"/>	Company	<input type="text"/>
Street	<input type="text"/>	Street	<input type="text"/>
Postal code/city	<input type="text"/>	Postal code/city	<input type="text"/>
Prosthetist	<input type="text"/>	Com.	<input type="text"/>

Affected side:  Left  Right

**6Y400** PUR custom liner from plaster cast and measurement form

**6Y400=M** PUR custom liner from measurement form

**6Y416** Shape Plus PUR custom liner from plaster cast and measurement form

• If the plaster cast has complex features such as knee flexion > 15°, a bulging, eccentric or concave residual limb end, pronounced invaginated scar tissue or excess size (length > 50 cm, circumference > 50.5 cm), a 6Y416 Shape Plus Liner is required.

**Replacement custom liner: please contact Customer Service**

• Wall thickness tolerances of ±10% are possible on subsequent orders.

• Otto Bock stores the plaster cast data as a file for two years after the most recent order.

**Wall thickness**

**Uniform** (with 13 mm distal cushion)  
(Wall thickness:  4 mm  5 mm  6 mm)

**Tapered** (6 mm wall thickness at knee centre tapering to 3 mm [± 1 mm] with 13 mm distal cushion)

Width of the distal residual limb end ..... mm  
(if deviating from 13 mm)

**Distal connector**

**without**

**with** (requires the selection of a textile coating)

**Exterior coating**

**with textile coating**

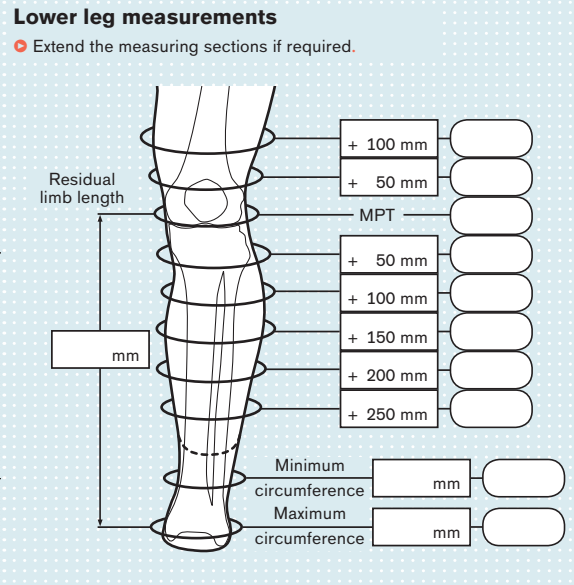
1.6 mm, colour:  skin colour or  black

0.6 mm, colour:  skin colour or  black

1.0 mm, colour: silver

**Without textile coating** (requires a non-adhesive coating)

**SKINGUARD TECHNOLOGY**



**Comments:** .....

.....

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# Measurement Form for Polyurethane (PUR) Liner

## Knee disarticulation and transfemoral amputations

Customer		Shipping address (if different from customer address)	
Customer no.	<input type="text"/>	Customer no.	<input type="text"/>
Company	<input type="text"/>	Company	<input type="text"/>
Street	<input type="text"/>	Street	<input type="text"/>
Postal code/city	<input type="text"/>	Postal code/city	<input type="text"/>
Prosthetist	<input type="text"/>	Com.	<input type="text"/>

Affected side:  Left  Right

**6Y416** Shape Plus PUR custom liner from plaster cast and measurement form

• If the plaster cast has complex features such as knee flexion > 15°, a bulging, eccentric or concave residual limb end, pronounced invaginated scar tissue or excess size (length > 50 cm, circumference > 50.5 cm), a 6Y416 Shape Plus Liner is required.

**Replacement custom liner: please contact Customer Service**

• Wall thickness tolerances of ±10% are possible on subsequent orders.  
 • Otto Bock stores the plaster cast data as a file for two years after the most recent order.

### Wall thickness

- Uniform** (with 13 mm distal cushion)  
 Wall thickness:  4 mm  5 mm  6 mm
- Tapered** (wall thickness tapering from 6 mm to 3 mm, 13 mm distal cushion)
- Harmony Style** (wall thickness tapering from 6 mm to 3 mm, 7 mm distal cushion)

### Distal connector

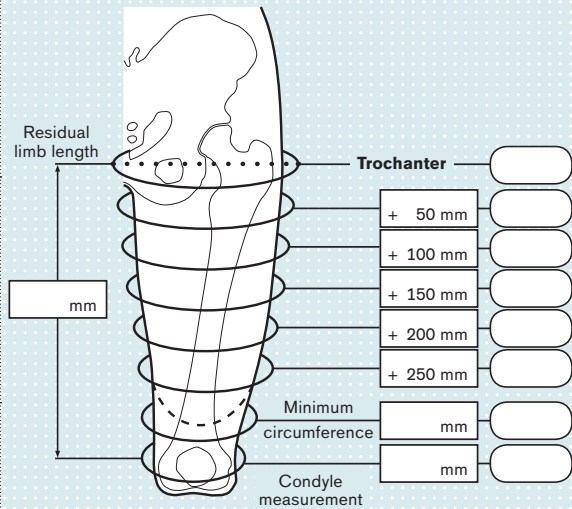
- without**
- with** (requires the selection of a textile coating)

### Exterior coating

- with textile coating**
  - 1.6 mm, colour:  skin colour or  black
  - 0.6 mm, colour:  skin colour or  black
  - 1.0 mm, colour: silver
- Without textile coating** (requires a non-adhesive coating)
- SKINGUARD TECHNOLOGY**

### Thigh measurements

• Extend the measuring sections if required.



Comments:

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# Transfemoral SiliconeGel Custom Liner

## Measurement form

Customer		Shipping address (if different from customer address)	
Customer no.	<input type="text"/>	Customer no.	<input type="text"/>
Company	<input type="text"/>	Company	<input type="text"/>
Street	<input type="text"/>	Street	<input type="text"/>
Postal code/city	<input type="text"/>	Postal code/city	<input type="text"/>
Prosthetist	<input type="text"/>	Com.	<input type="text"/>

Affected side:  Left  Right  
 Wall thickness:  4 mm  5 mm  6 mm  
 Distal residual limb end thickness: .....

New order  
 Re-order, previous ML no.: .....

- 6Y80=M** TF SiliconeGel-Adapt-Liner with textile coating, with distal connector
- 6Y81=M** TF SiliconeGel-Adapt-Liner with textile coating, without distal connector (with blind cap)
- 6Y81=M-1** TF SiliconeGel-Adapt-Liner with textile coating, without distal connector (without blind cap)
- 6Y85=M** Skinguard TF custom liner with textile coating, with connector
- 6Y86=M** Skinguard TF custom liner with textile coating, without distal connector (with blind cap)
- 6Y86=M-1** Skinguard TF custom liner with textile coating, without distal connector (without blind cap)
- 6Y81=M-2** ProSeal custom liner

- SIT-Cast contoured
- SIT-Cast medium
- SIT-Cast feminine contoured
- Hybrid
- Crosswise oval contoured
- Crosswise oval medium
- Crosswise oval feminine contoured
- Conical (without socket type)

- Contour cut
- Diagonal cut
- Extension strip (matrix) to minimise pistoning  
 ..... mm length from residual limb end  
 ..... number of matrix fingers

Textile colour:  Skin colour  
 Grey (with skin colour seam)  SKINGUARD Technology

### Thigh measurements

**Important:** Extend measurement sections if necessary.

Distal end

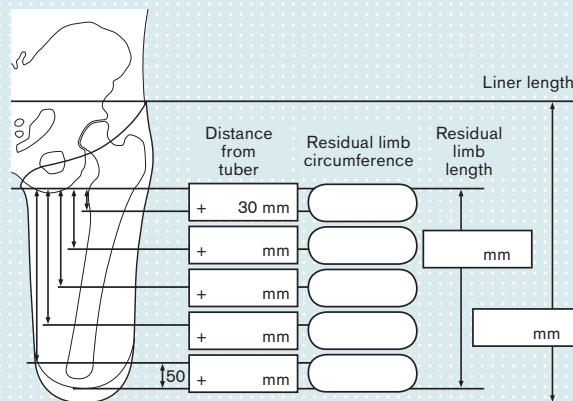


### Notes

Wall thickness tolerances of  $\pm 0.8$  mm are possible on subsequent orders.  
 Length of the matrix: 4 cm below the medial liner edge.

### Comments:

.....  
 .....  
 .....



Date ..... Place ..... Signature .....



# Transtibial SiliconeGel Custom Liner

## Measurement form

Customer		Shipping address (if different from customer address)	
Customer no.	<input type="text"/>	Customer no.	<input type="text"/>
Company	<input type="text"/>	Company	<input type="text"/>
Street	<input type="text"/>	Street	<input type="text"/>
Postal code/city	<input type="text"/>	Postal code/city	<input type="text"/>
Prosthetist	<input type="text"/>	Com.	<input type="text"/>

Affected side:  Left  Right  
 Wall thickness:  4 mm  5 mm  6 mm

Distal residual limb end thickness: .....

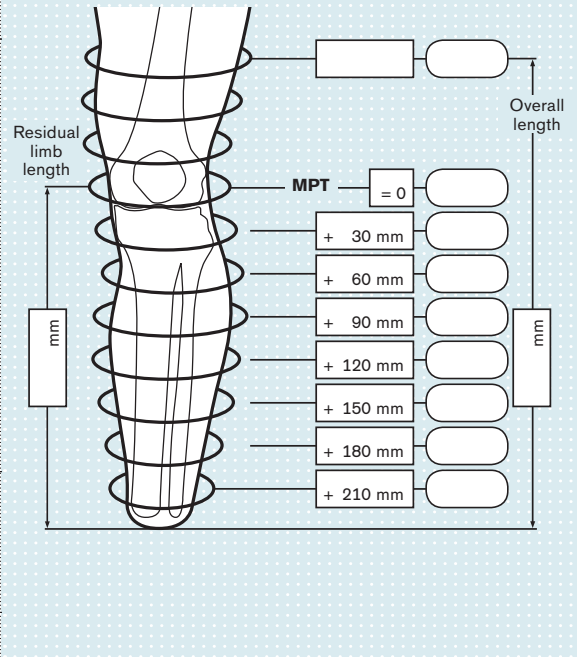
New order  
 Re-order, previous ML no.: .....

- 6Y70=M** SiliconeGel liner with textile coating, with distal connector
- 6Y71=M** SiliconeGel liner with textile coating, without distal connector (with blind cap)
- 6Y71=M-1** SiliconeGel liner with textile coating, without distal connector (without blind cap)
- 6Y75=M** Skinguard TT custom liner with textile coating, with connector
- 6Y76=M** Skinguard TT custom liner with textile coating, without distal connector (blind cap)
- 6Y76=M-1** Skinguard TT custom liner with textile coating, without distal connector (without blind cap)

Wall thickness tolerances of ±10% are possible on subsequent orders.

- Extension strip (matrix) to minimise pistoning**
- ..... mm length from residual limb end
  - ..... Number of matrix fingers
  - Matrix circular closed

Textile colour:  
 skin colour  grey (with skin colour seam)  
 SKINGUARD Technology



**Comments:** .....

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# Transfemoral Silicone Custom Liner from Plaster Cast Measurement form

Customer		Shipping address (if different from customer address)	
Customer no.	<input type="text"/>	Customer no.	<input type="text"/>
Company	<input type="text"/>	Company	<input type="text"/>
Street	<input type="text"/>	Street	<input type="text"/>
Postal code/city	<input type="text"/>	Postal code/city	<input type="text"/>
Prosthetist	<input type="text"/>	Com.	<input type="text"/>

- 88L2=BB** TF Silicone Liner from plaster cast (Chlorosil)
- 88L3=G** Fabrication from plaster negative
- SF6Y=GN1** Copy in porous plaster

- Trial liner**      Affected side:       Left       Right
- Definitive liner**

**Colour**

- skin colour     translucent     uni colour    .....

**Fixation**

- with receiver for pin (M10)       Silicone wedge       None

**Add-ons**

- Silicone gel coating
- Anti-rotation wedge
- Custom residual limb end pads ..... mm
- SKINGUARD Technology
- With textile coating       skin colour       grey       Anti-stick coating 88L3=B
- Extension strip (matrix) to minimise pistoning  
..... mm length from residual limb end  
..... Number of matrix fingers

Mark the course of the residual limb and limits of the liner.

Custom pads/scar compensation: please mark size and length on the plaster model.

Mark pin positions and plumb lines frontally and laterally on the plaster model with a soft pencil.

**Comments:**  
.....  
.....  
.....

Date ..... Place ..... Signature .....



# Transtibial Silicone Custom Liner from Plaster Cast Measurement form

Customer		Shipping address (if different from customer address)	
Customer no.	<input type="text"/>	Customer no.	<input type="text"/>
Company	<input type="text"/>	Company	<input type="text"/>
Street	<input type="text"/>	Street	<input type="text"/>
Postal code/city	<input type="text"/>	Postal code/city	<input type="text"/>
Prosthetist	<input type="text"/>	Com.	<input type="text"/>

- 88L2=OB** TT Silicone Liner from plaster cast (Chlorosil)
- 88L3=G** Fabrication from plaster negative
- SF6Y=GN2** Copy in porous plaster

**Trial liner**      Affected side:       Left       Right  
 **Definitive liner**

**Colour**

skin colour     translucent     uni colour    .....

**Fixation**

with receiver for pin (M10)     Silicone wedge     None

**Add-ons**

- Silicone gel coating
- Anti-rotation wedge
- Custom residual limb end pads ..... mm
- SKINGUARD Technology
- With textile coating       skin colour       grey
- Extension strip (matrix) to minimise pistoning  
..... mm length from residual limb end  
..... Number of matrix fingers
- Anti-stick coating 88L3=B

Mark the course of the residual limb and limits of the liner.

Custom pads/scar compensation: please mark size and length on the plaster model.

Mark pin positions and plumb lines frontally and laterally on the plaster model with a soft pencil.

**Comments:**

.....

.....

.....

Height every 3 cm from residual limb end	circumferences		
	Residual limb	Plaster	Model
+ 100 mm	<input type="text"/>	<input type="text"/>	<input type="text"/>
+ 50 mm	<input type="text"/>	<input type="text"/>	<input type="text"/>
MPT	<input type="text"/>	<input type="text"/>	<input type="text"/>
+ 50 mm	<input type="text"/>	<input type="text"/>	<input type="text"/>
+ 100 mm	<input type="text"/>	<input type="text"/>	<input type="text"/>
+ 150 mm	<input type="text"/>	<input type="text"/>	<input type="text"/>
+ 200 mm	<input type="text"/>	<input type="text"/>	<input type="text"/>
+ 250 mm	<input type="text"/>	<input type="text"/>	<input type="text"/>
Minimum circumference	<input type="text"/>	<input type="text"/>	<input type="text"/>
Maximum circumference	<input type="text"/>	<input type="text"/>	<input type="text"/>

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# Custom Cosmetic Foam Covers

## Measurement Form · Fax to your Ottobock representative.

Customer		Shipping address (if different from customer address)	
Customer no.	<input type="text"/>	Customer no.	<input type="text"/>
Company	<input type="text"/>	Company	<input type="text"/>
Street	<input type="text"/>	Street	<input type="text"/>
Postal code/city	<input type="text"/>	Postal code/city	<input type="text"/>
Prosthetist	<input type="text"/>	Com.	<input type="text"/>

### Patient information

Name: .....

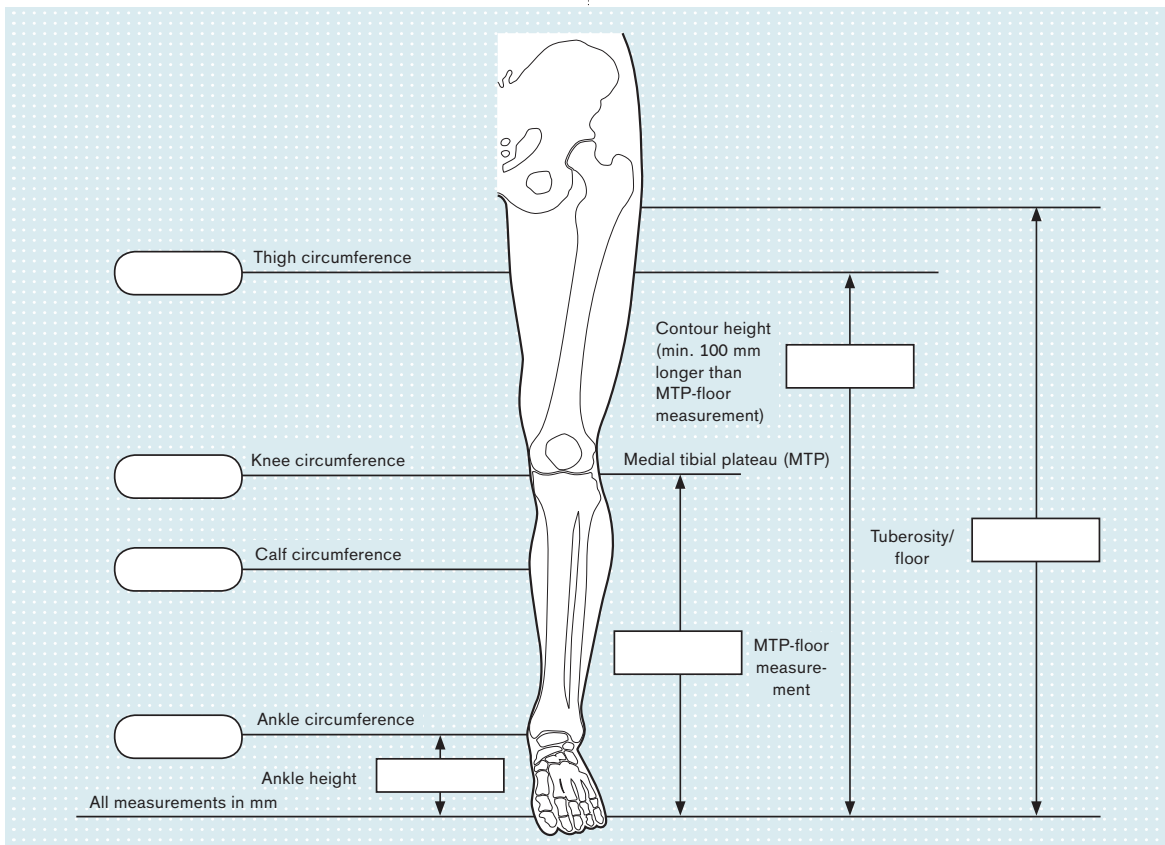
Affected side:  Left  Right

Date of birth: .....

Gender:  male  female

Weight: ..... kg

Prosthesis/knee type: .....



Date ..... Place ..... Signature .....

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# 7E10 – Helix<sup>3D</sup> Hip Joint System

Fax to your Ottobock representative.

Customer		Shipping address (if different from customer address)	
Customer no.	<input type="text"/>	Customer no.	<input type="text"/>
Company	<input type="text"/>	Company	<input type="text"/>
Street	<input type="text"/>	Street	<input type="text"/>
Postal code/city	<input type="text"/>	Postal code/city	<input type="text"/>
Prosthetist	<input type="text"/>	Com.	<input type="text"/>

<p><b>Patient data</b></p> <p>Surname/first name: .....</p> <p>Age: .....</p> <p>Gender:    <input type="checkbox"/> male    <input type="checkbox"/> female</p> <p>Weight: ..... kg</p> <p>Size: .....</p> <p>Foot size: .....</p> <p>Occupation: .....</p> <p>Prosthesis wearer since: .....</p> <p>Tuberosity – floor: .....</p> <p>Knee rotation point – floor: .....</p> <p>Amputation level:    <input type="checkbox"/> Hip disarticulation                               <input type="checkbox"/> Hemipelvectomy</p> <p>Affected side:        <input type="checkbox"/> Left    <input type="checkbox"/> Right</p>	<p><b>Patient mobility grade</b></p> <p><input type="checkbox"/> <b>Mobility grade 2</b>  Restricted outdoor walker</p> <p><input type="checkbox"/> <b>Mobility grade 3</b>  Unrestricted outdoor walker</p>
<p><b>Current prosthesis/prosthesis components:</b></p> <p>Current hip joint: .....</p> <p>Current knee joint: .....</p> <p>C-Leg (serial number): .....</p> <p>Current foot: .....</p>	<p><b>Ability to walk:</b> (distance per day and time)</p> <p><input type="checkbox"/> 0.3 km to 1 km    <input type="checkbox"/> 15 to 30 minutes</p> <p><input type="checkbox"/> 1 km to 5 km     <input type="checkbox"/> 30 to 60 minutes</p> <p><input type="checkbox"/> More than 5 km    <input type="checkbox"/> 60 to 120 minutes</p> <p><input type="checkbox"/> More than 120 minutes</p>
	<p><b>Sports</b></p> <p><input type="checkbox"/> Recreational sports    <input type="checkbox"/> None</p> <p><input type="checkbox"/> Competitive sports</p> <p>Sport(s): .....</p>

Date ..... Place ..... Signature .....

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- Initial/interim prostheses
- Waterproof walking devices
- Sport prostheses
- Prosthetic feet
- Adapter
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