ottobock.

Prosthetics

Lower Limbs

Prosthetics

Lower Limbs

Explanation of Symbols

	Information sheet, poster		Thread
	Information material	SIL	Silicone
	Instructions for processing or use	TPE	Copolymer
® TM	Products with these symbols are registered trademarks in certain countries.	PUR	Polyurethane
	Mixing ratio		Shuttle lock
	CD		E-Pulse
DVD	DVD		Harmony System
	angled		KISS Lanyard System
	moveable		Sealing sleeve
	rotatable		ProSeal Ring
	eccentric		Push Valve

Explanations of hazardous substance symbols (R/S phrases)*

Xi	Irritant	F+	Extremely flammable
Xn	Hazardous to health	N	Environmentally hazardous
O	Oxidising	C	Corrosive
F	Highly flammable	T	Toxic

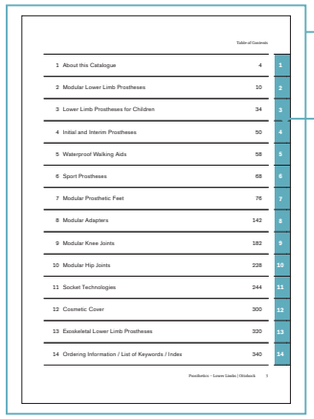
Explanations of hazardous substance symbols (P/H phrases)*

Hazard classes	Hazard categories
Inflammable gases	1
Inflammable aerosols	1, 2
Inflammable liquids	1, 2, 3
Inflammable solids	1, 2
Self-decomposing substances and mixtures	Types B, C, D, E, F
Pyrophoric liquids	1
Pyrophoric solids	1
Substances and mixtures capable of self-heating	1, 2
Substances and mixtures that release inflammable gases upon contact with water	1, 2, 3
Organic peroxides	Types B, C, D, E, F
Oxidising gases	1
Oxidising liquids	1, 2, 3
Oxidising solids	1, 2, 3
Corrosive effect on metal	1
Caustic	1A, 1B, 1C
Severe eye damage	1
Acute toxicity (oral, dermal, inhalative)	1, 2, 3
Acute toxicity (oral, dermal, inhalative)	4
Skin irritation	2
Eye irritation	2
Skin sensitisation	1
Specific target organ toxicity (one-time exposure)	3
Respiratory system irritation	
Anaesthetic effects	
Respiratory tract sensitisation	1
Germ cell mutagenicity	1A, 1B, 2
Carcinogenicity	1A, 1B, 2
Reproductive toxicity	1A, 1B, 2
Specific target organ toxicity (one-time exposure)	1, 2
Specific target organ toxicity (repeated exposure)	1, 2
Aspiration hazard	1
Hazardous to water	
– Acutely hazardous to water	1
– Chronically hazardous to water	1.2

* The hazardous substance symbols (R/S phrases and P/H phrases) printed in the catalogue correspond to the labelling requirements for hazardous substances at the time of printing. They refer to the raw material. Changes reserved.

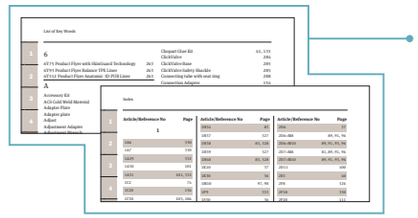
Please note that the base colours shown in this catalogue may differ in actual effect.

Searching, Finding and Ordering

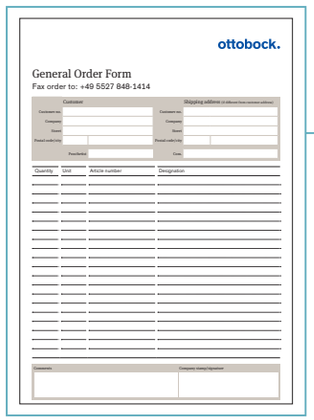


This catalogue is organised into **14 sections**.

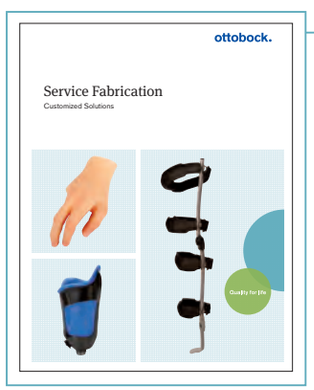
The tab on the right side and the page headers (e.g. Modular Hip Joints) on the top of each page help you find your way around quickly and easily.



The list of keywords lists all products in alphabetical order. Alternatively, the index lets you find the page numbers for products by reference number.



Order forms for various products with the respective fax numbers are found in the section Ordering Information / List of Keywords / Index.

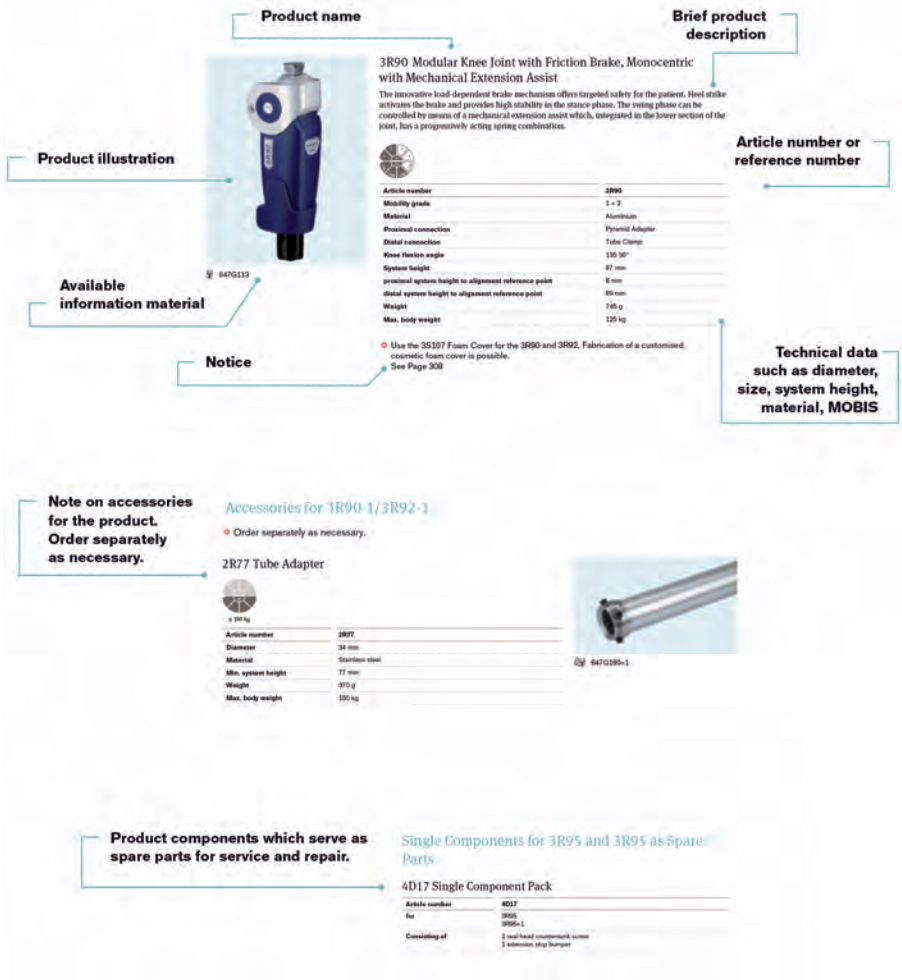


Ottobock Service Fabrication offers individual products and services from the sector Prosthetics. These are listed in the catalogue 646K71=EN.

For more information or to place orders for products from the sector Materials and Tools, please use the 646K1=GB Ottobock Materials Catalogue.

Ordering Information

User instructions for products



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
2C1	=	L	22	/	4	N

Reference number	**2C1**								
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
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)								

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


C50
otto bock
genium

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.

MOBI**S**, a further development of our Ottobock classification system, helps you choose in accordance with the indication for use. The MOBI**S** 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.

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.

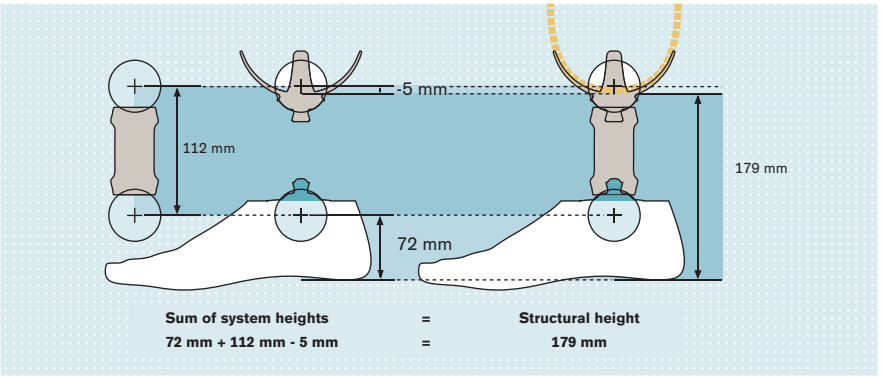
646A255 Special Print: System Height – Simply Accurate

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.

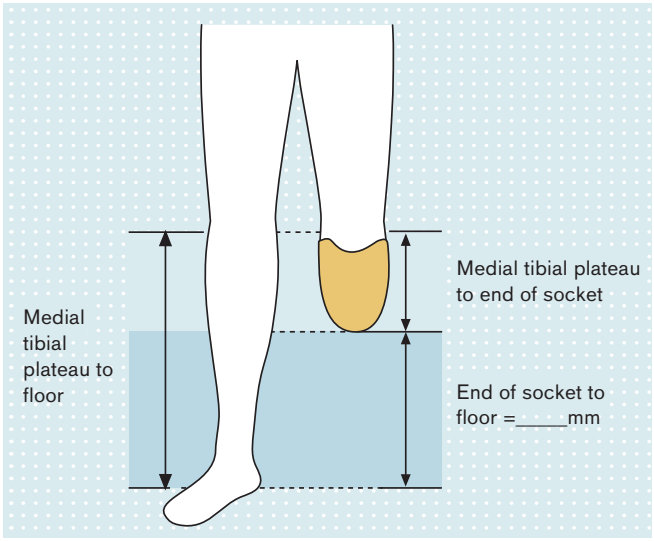
The graphic below illustrates 4 key aspects:

- 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



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	~ 545 g	~ 630 g	~ 645 g	~ 670 g	~ 730 g	~ 755 g
Max. body weight	**75** kg				**100** kg				
Colour	beige (**4**), light brown (**15**)								


4R116


4R52


4R121=30


1D35, Size 27

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.**
4R116	2 mm	
4R52	33 mm	
4R121=30	177 mm	553 mm
1D35, Gr. 27	72 mm	
Structural height =	**280 mm**	**656 mm**

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.

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.

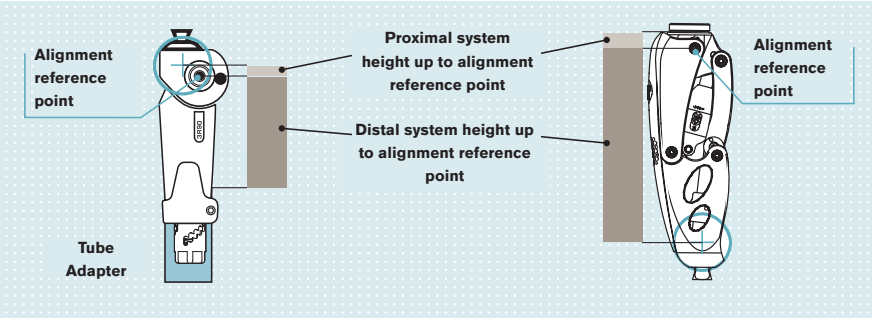
Every modular knee joint has an alignment reference point. This is the rotation axis in monocentric joints, and the anterior, upper axis in polycentric joints (see graphic below).

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

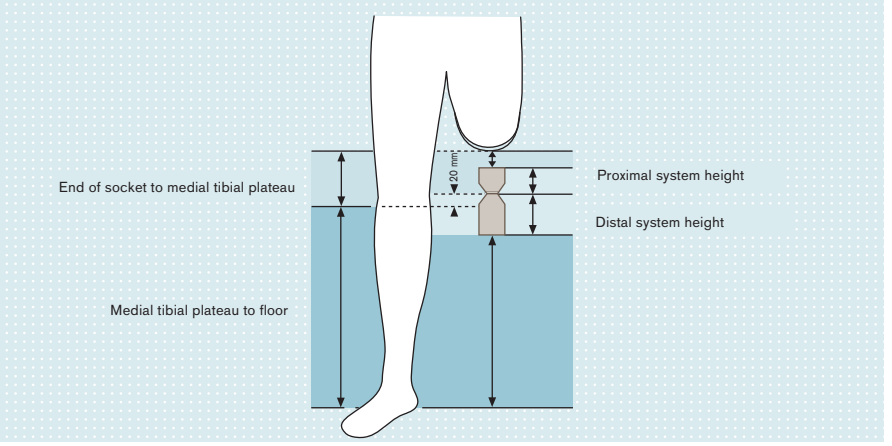
However, the system height of the knee joint alone does not provide you with information about the position of its alignment reference point.

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.

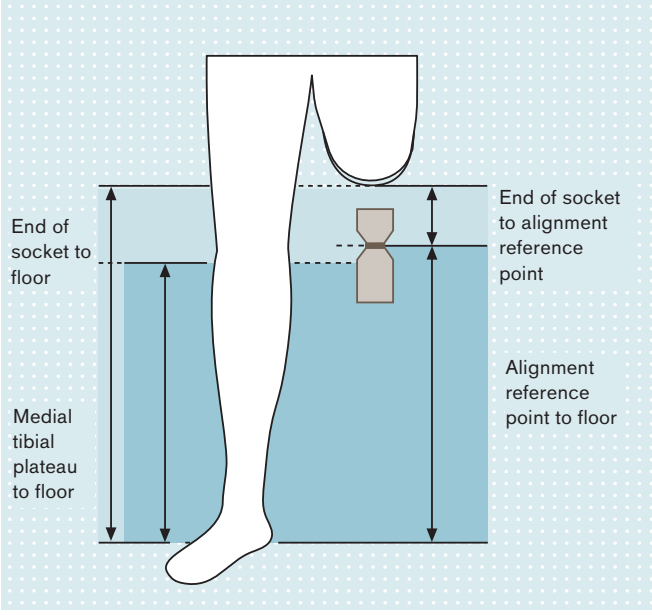


Positioning the knee joint using the alignment reference point



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		
3R60	Proximal -2 mm		
	Distal 173 mm		Alignment reference point to floor min. = 455 mm, max = 831 mm
4R52	33 mm		
4R121=30	177 mm	553 mm	
1D35, size 27	72 mm		
Structural height =	**542 mm**	**918 mm**	

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).

MOBI**S**

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.

MOBI**S** 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 MOBI**S** selection system.

With the help of the MOBI**S** 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.

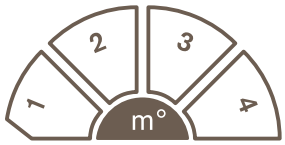
Information:

Information:
646A179=GB Special Print: MOBI**S** – 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.

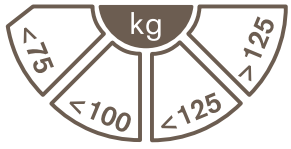


The four mobility grades

MOBIS defines 4 weight classes:

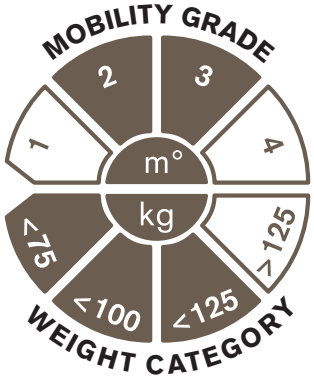
Patient weight up to 75 kg (165 lbs), up to 100 kg (220 lbs), up to 125 kg and over 125 kg (275 lbs). Ottobock thereby combines all information required for the selection of prosthesis components under one symbol. As usual, the component with the lowest weight classes is decisive for determining the 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

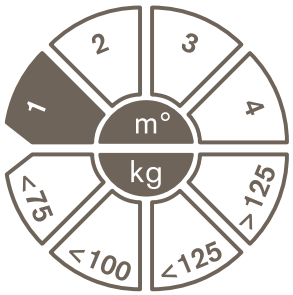


MOBIS is easy to apply.

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).



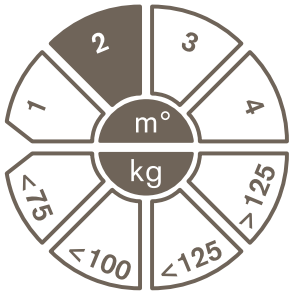
The Ottobock Mobility System: Mobility Grades and Therapy Goals



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.

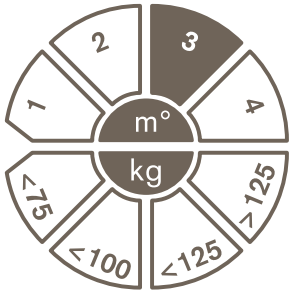
Therapy goal:
Restoring the ability to stand and to walk indoors to a limited degree.



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.

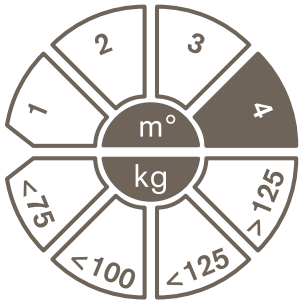
Therapy goal:
Restoring the patient's ability to stand and walk both indoors and outdoors.



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.

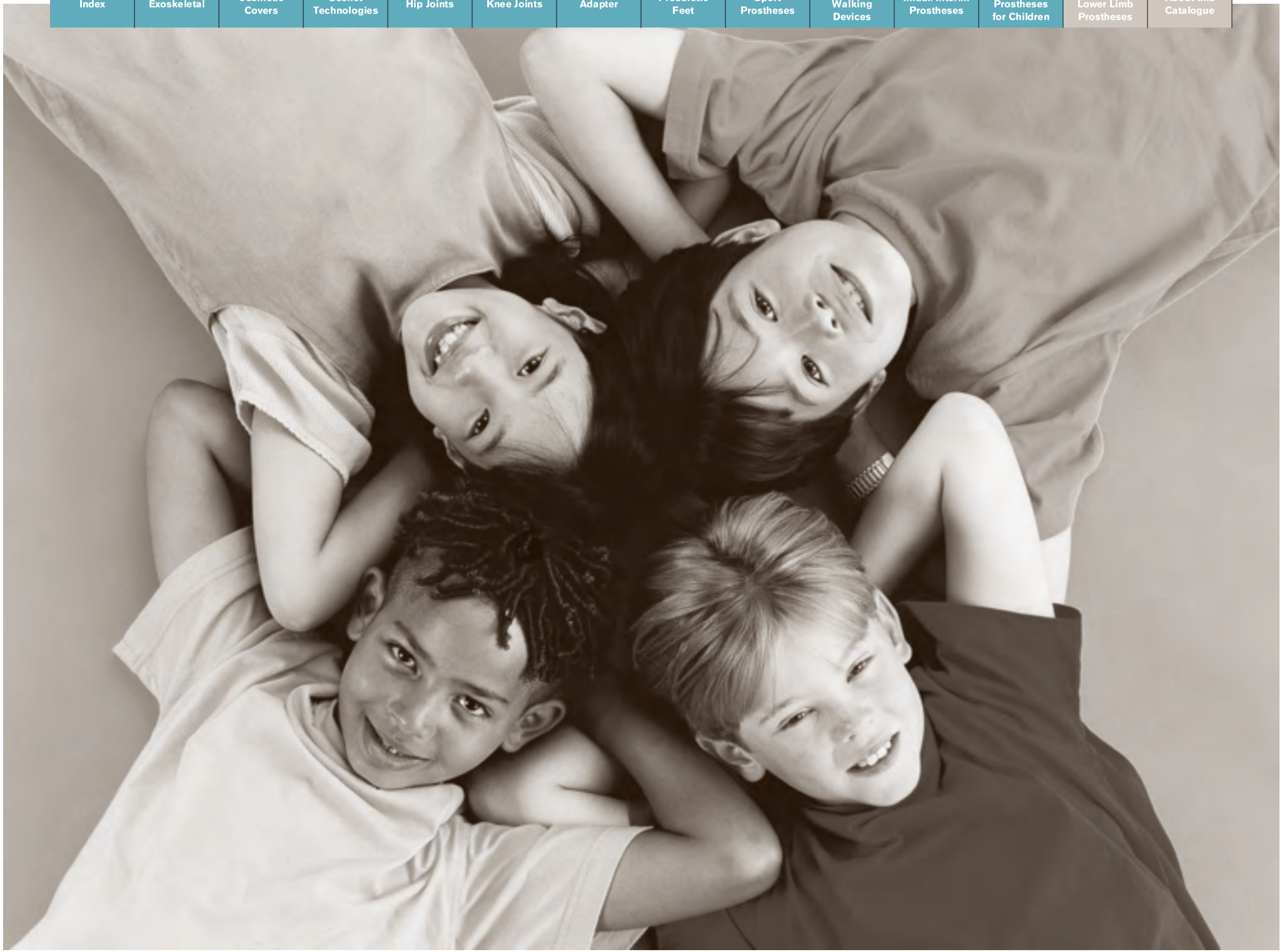
Therapy goal:
Restoring the patient's ability to stand and to walk indoors and outdoors with only mild restrictions.



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.



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.

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
1S30	=	L	12

Reference number	1S30	
Heel height	10 +/- 5 mm	
Side	left (L), right (R)	
Size	12 cm	13 cm
System height with adapter	37 mm	40 mm
Weight (without adapter)	~ 90 g	~ 100 g
Colour	beige/white	
Max. body weight	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
2Z25	=	L	12

Reference number	2Z25	
Side	left (L), right (R)	
Size	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
1K30	=	L	16

Reference number	1K30							
Heel height	5 +/- 5 mm							
Side	left (L), right (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

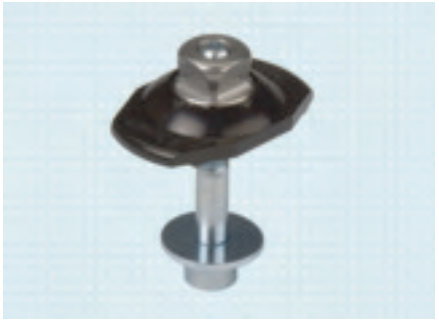
Reference number	=	Side	Size
1K10	=	L	16

Reference number	1K10							
Heel height	5 +/- 5 mm							
Side	left (L), right (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

Modular System Accessories

- Please order separately.



647G97

2R40 Foot Adapter with Screw Connection

Article number	2R40=2	2R40=1
Material	Aluminium/steel	
for	all 1S and 1K children's feet in sizes 12 – 17 cm	all 1S and 1K children's feet in sizes 18 – 21 cm
Weight	45 g	80 g
with	636W28 Ottobock Special Adhesive and Hardener	
Max. body weight	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
for	2R40=2	2R40=1, 2R8=M8
Scope of Delivery	1 cap screw 1 washer	1 cap screw (steel) 1 washer

Exoskeletal Accessories

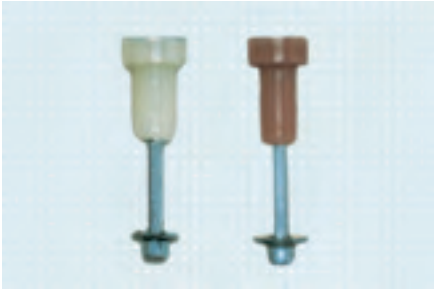
- Please order separately.

2K36 Shaped Ankle Part

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

Article number	2K36=17	2K36=21
Size	12 – 17 cm	18 – 21 cm

2Z22 Screw Connection



Article number	2Z22=M6	2Z22=M8x70
for	2K36=17	2K36=21
Scope of Delivery	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.

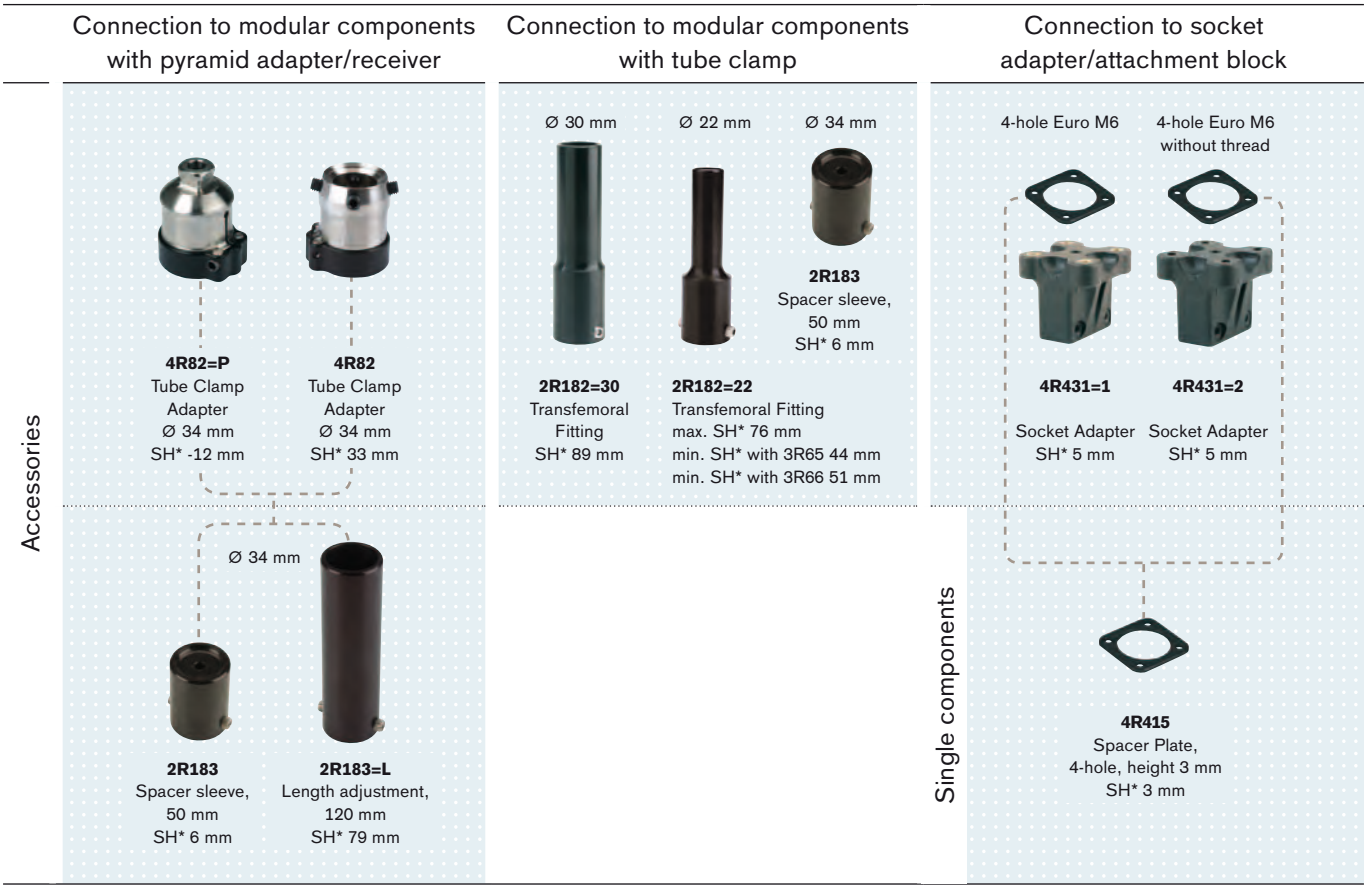
The foot is custom-made.

SL=42P310

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

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

Combination Possibilities for the Modular System



* 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 MOBI**S** 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 MOBI**S**. 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 MOBI**S** 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

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

Reference number	=	Side	Size
2E3	=	L	14

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

SL=P078 Chopart Bonding Kit

Contains 636W80 Primer

Article number	SL=P078

SL=P071 Fill Footshell Foam Kit

Soft, elastic foam for optional filling of the footshell.

Article number	SL=P071

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.

Article number	2R41=1
Diameter	22 mm
Material	Aluminum
Min. system height	87 mm
Max. system height	330 mm
Weight	140 g
Max. body weight	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.

Article number	2R41=2
Diameter	22 mm
Material	Aluminum
Min. system height	85 mm
Max. system height	288 mm
Weight	125 g
Max. body weight	35 kg

647G97

2R48 Tube Adapter, angled 13°

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

Article number	2R48
Diameter	22 mm
Material	Aluminum
Min. system height	87 mm
Max. system height	229 mm
Weight	105 g
Max. body weight	45 kg

4R66 Tube Clamp Adapter

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

Article number	4R66
Diameter	22 mm
Material	Aluminum
System height	- 11 mm
Weight	45 g
Max. body weight	45 kg

5R9 Socket Attachment Block

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

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

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

647H119

4R60 Socket Adapter

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

Article number	4R60
Material	Aluminum
System height	33 mm
Weight	45 g
Max. body weight	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.

Article number	4R110
Material	Aluminum
System height	35 mm
Weight	55 g
Max. body weight	45 kg

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

647H252

Single Components as Replacement Parts

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

▲ minimum order quantity required ■ can be ordered individually

Modular Knee Joints for Children

647G99

3R39 Modular Knee Joint with Lock

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

Single Components as Replacement Parts

4D20 Single Component Pack

Article number	4D20
for	3R39
Consisting of	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

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

Single Components as Replacement Parts

4D15 Single Component Pack

Article number	4D15
for	3R38
Consisting of	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.

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

Not suitable for hip disarticulation fittings.

647H212

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.

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

647H180

Single Components as Replacement Parts

4D17 Single Component Pack

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

Modular Hip Joint for Children

647G98

7E8 Modular Hip Joint

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

Single Components as Replacement Parts

7D3 Single Component Pack

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

Exoskeletal Joint for Children

3P21 Knee-Shin Component for Children, single-axle

Order example

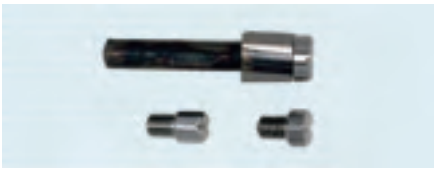
Reference number	=	Side	Size
3P21	=	L	26

Reference number	3P21
Material	Poplar
Side	left (L), right (R)
Calf circumference	24 cm, 26 cm, 28 cm
with	Knee axis brake, centre stop and closed knee ball

Accessories

- Order separately as necessary.

726W11 Tapered Reamer



for reaming out worn knee axis bushings

Article number	726W11

Single Components as Replacement Parts

3D5 Single Component Pack

Article number	3D5
for	3P21
Consisting of	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)

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.

Article number	6R7
Tube diameter	22 mm
Material	PUR flexible foam
Length	approx. 35 cm
Colour	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.

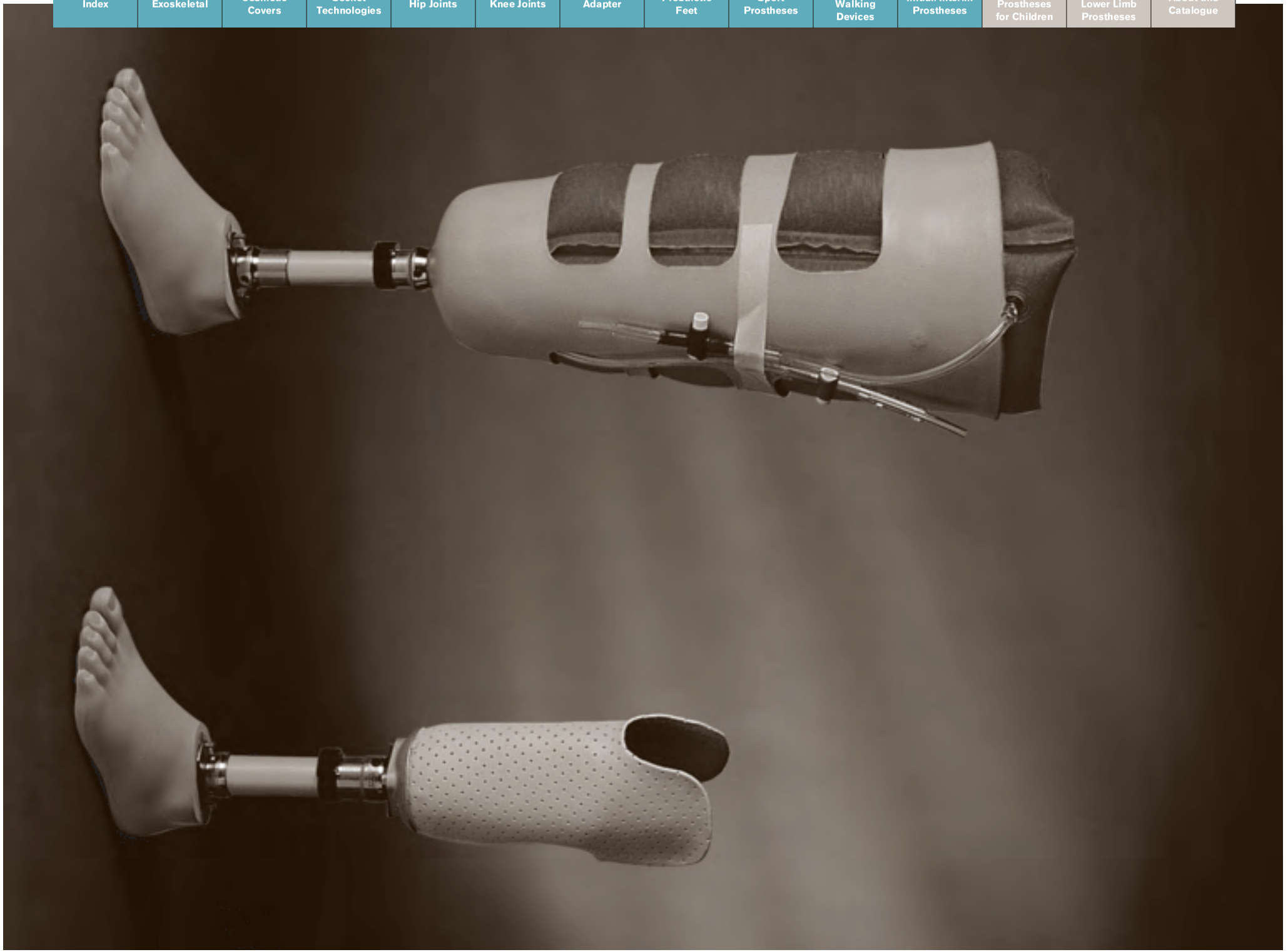
Article number	3R48
Tube diameter	22 mm
Material	PUR flexible foam
Length	approx. 70 cm
Colour	beige

- 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.

Article number	99B22=1	99B22=2	99B22=3
Length	approx. 34 cm	approx. 37 cm	approx. 44 cm



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 MOBI**S**, the Ottobock mobility system.

Saarbrucken 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
Ø	165 mm
Length	250 mm

- Single use only.

6S1 Pneumatic End Bearing Cover

Article number	6S1

- Single use only.

743D1 Manometer with Inflatable Ball

Article number	743D1
Consisting of	Expulsion valve and hose connection 616R2=8x1.5 PVC Hose (length 200mm) 616R8 Hose Adapter

- Information on Saarbrucken early fitting prosthesis: residual limb socks are listed starting on Page 260.

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.

Article number	2R45=S
Diameter	30 mm
Material	Stainless steel
System height	70 mm
Weight	200 g
Max. body weight	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.

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

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

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.

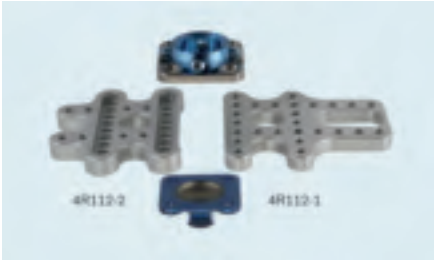
Article number	4R101
Material	Aluminum
System height	25 mm
Weight	205 g
Offset in m-l and a-p direction	+/- 11 mm
Max. body weight	100 kg

- 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.

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



647H457

4R1 Adjustment Adapter

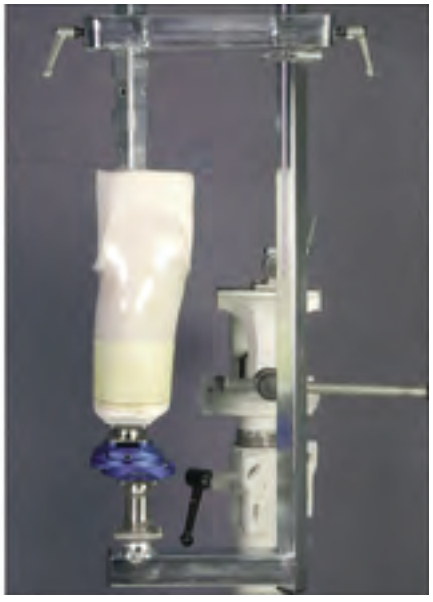
The 4R1 Adjustment Adapter is an adjustment tool to be used solely for the trial fitting of lower limb prostheses.

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.

Article number	4R1
Material	Aluminum
System height	68 mm
Weight	615 g
Offset in a-p direction (max. displacement)	50 mm (corresponds to 25 mm respectively)
Offset in m-l direction (max. displacement)	30 mm (corresponds to 15 mm respectively)
Max. body weight	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
2R56=230 Scaled Tube 230 mm		■			
2R56=300 Scaled Tube 300 mm		■			
4R112-1 Mounting Plate				■	
4R112-2 Mounting Plate				■	
4Y19 Pressure Plate				▲	
4Y212 Clamping Nut			▲		
501S41=M6x12 Countersunk Head Screw (Allen screw)				▲	
501S41=M6x16 Countersunk Head Screw (Allen screw)					▲
501S44=M6x25 Oval Flange Head Screw (Allen screw)			▲		
501S71=M6x25 Countersunk Head Screw (Allen screw)				▲	
501T48=M6x25 Cap Screw (Allen screw)				▲	
501T61=M6x12 Cap Screw				▲	
501Z2=M6x25 Cap Screw	▲				
502Z22=M6 Hexagon Nut (with conical support)				▲	
506G3=M4x12 Set Screw			▲		
506G3=M8x12-V Grub Screw	▲	▲		▲	▲
507U12=6.2x10.3 Washer				▲	

▲ minimum order quantity required ■ can be ordered individually

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.

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

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

Single Components as Replacement Parts

4G685 Knee Forming Cover

Article number	4G685

501S101=M4x12 Screw to secure the knee forming cover

Article number	501S101=M4x12

4X50 Adjustment Wrench

Article number	4X50

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.

647G634

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	left (L), right (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				

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.

647G634

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	left (L), right (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				

Accessories

2K34 Shaped Ankle Part

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

Article number	2K34=25	2K34=30
for foot sizes	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)

Article number	2Z22=M10
Scope of Delivery	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.

Article number	6R95

- 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.

Article number	635Z56
Colour	skin colour
Net contents	12 ml

Danger

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

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

- Only suitable for use in transfemoral prostheses.
- Use the 4X46 Lamination Dummy when laminating. It must be ordered separately (see accessories Page 138).

647G635

4WR95=2 Lamination Anchor with Pyramid Adapter

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

It has a rotatable pyramid adapter.

≤ 150 kg

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

- Use the 4X46 Lamination Dummy when laminating. It must be ordered separately (see accessories Page 138).
- 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

647G766

Article number	2WR95
Diameter	34 mm
Material	Titanium
Min. system height	77 mm
Max. system height	472 mm
Weight	330 g
Max. body weight	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.

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

647G766

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

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

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

Single Components as Replacement Parts

Article number	2WR95	2WR95=1	4WR95=1	4WR95=2	4WR95=3
4X28=3 Plastic Ring					■
4Y423					■
4Y424					■
501T24=M5x25			■	■	■
506G3=M8X12-“NIRO“			▲		
506G3=M8X14-“NIRO“	▲	▲			▲
506G3=M8X16-“NIRO“	▲	▲	▲		▲
507U16=5.2-Niro 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)

Article number	6A30=20

Accessories

6Y13=L1 Pin, long

Article number	6Y13=L1
Length	68.7 mm

6Y43 Skeo Pure

The 643 Skeo Pure liners are transparent for easy monitoring of fit and skin condition, while offering an ideal foundation for extended, comfortable wear. A silky smooth outside coating makes the liner easy to don and doff as well as easy to clean and quick to dry. The special coating instead of a textile cover makes the liner more stretchable for the user. It is also 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.

SIL

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

647H530

647G678

21Y21 ClickValve

(with safety shackle in grey)

The ClickValve features a multi-option 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
- Multi-option 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

Article number	**21Y21**
Area of application	Transfemoral amputation

ottobock.

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.

647H537

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.

Article number	3S80
System height	48 mm
Flexion angle	135 °
Weight	682 g
Max. body weight	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.

Article number	4R206
Material	Aluminium
System height	2 mm
Weight	580 g
Max. body weight	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.

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

1E90 Sprinter

The 1E90 Sprinter can be used as a independent unit or in combintation with the 3S80 Sport. The foot provides very high energy return and is available in six stiffness versions to accommodate various body weights.

Reference number	**1E90**
Scope of Delivery	Carbon spring
Max. body weight	125 kg

2Z500 Universal sole with running shoe tread

Two sole designs provide the necessary grip on different types of surfaces. The universal sole with a running shoe tread is suitable for running on a variety of surfaces.

Article number	**2Z500**

647G849

2Z501 Spike sole

Two sole designs provide the necessary grip on different types of surfaces. The spiked sole can be used for fast sprints, especially on an all-weather track.

Article number	**2Z501**

647G848

4R210 TT Test Sport Foot Adapter

Article number	4R210
Material	Aluminum
Weight	385 g
Max. body weight	100 kg

4R208 TT Definitive Sport Foot Adapter

Article number	4R208
Material	Aluminum
Weight	284 g
Max. body weight	100 kg

4R420 Posterior Connection Plate (set)

for direct lamination in transtibial fittings (posterior)

Article number	4R420
Max. body weight	Unlimited

2R176=T T-Adapter

for direct lamination in transtibial fittings (distal)

Article number	2R176=T
Max. body weight	Unlimited

2R177 L-Adapter

for transfemoral fittings

Article number	2R177=5	2R177=18
Angle	5 °	18 °
Max. body weight	Unlimited	

3R2 ProCarve knee joint

The ProCarve sports prosthetic system includes a monocentric, aluminium sports knee equipped with a highperformance 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.

Article number	3R2
System height	241 mm
Flexion angle (locked)	80 °
Flexion angle (unlocked)	67 °
Weight	1190 g
Scope of Delivery	Blocking clip
Max. body weight	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.

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

4G901 Footshell

Shaped for snowboard boots.

Article number	4G901

755Y68 High-Pressure Air Pump

For adjusting the air pressure.

Article number	755Y68

4G115 Blocking Clip

Blocks damping function for easier walking.

Article number	4G115

Modular Prosthetic Feet

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

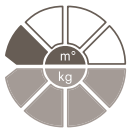
Ottobock prosthetic feet are developed using numerical and mechanical simulation, and are optimised for the respective mobility grade. Company know-how in the field of materials technology with high-performance synthetic materials, titanium and carbon ensures defined characteristics and high durability.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

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

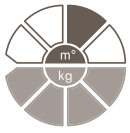
1M10 Adjust
The multi-axial foot with adjustable heel characteristics

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

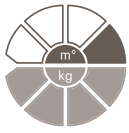
1C63 Triton Low Profile
Triangular technology for low structural heights

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

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

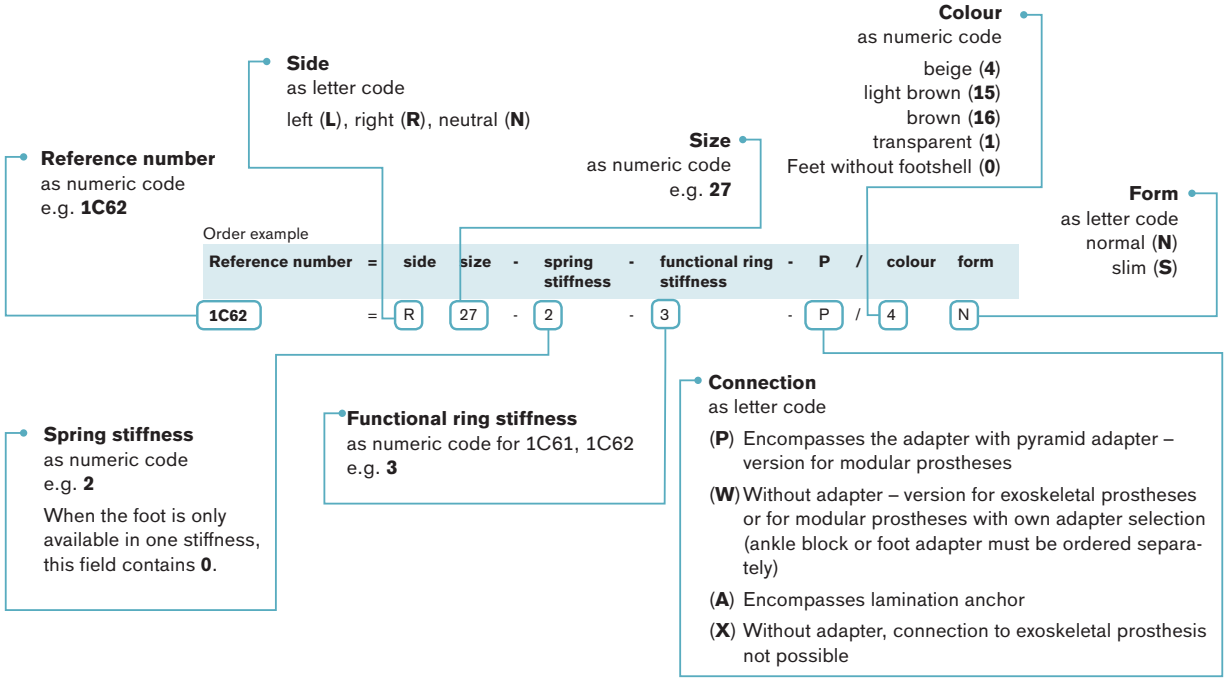
Sport Feet

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.



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

Reference number	=	Side	Size
1G6	=	L	26

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

Accessories

647G5

2R54 / 2R31 Foot Adapter with Screw Connection

Article number	2R54=M8	2R31=M8
Material	Aluminum	Titanium
for	1D11 and 1G6, size 22 – 25	
Screw connection	2D7=M8 Screw Connection	
Weight	70 g	65 g
Max. body weight	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

Article number	2R14
for	,

Single Components as Replacement Parts

2D7=M8 2D7 Screw Connection

Article number	2D7=M8
for	2R54=M8, 2R31=M8
Scope of Delivery	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.

647H45

Order example

Reference number	=	Side	Size
1G9	=	L	26

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

Accessories

2R51 Single Axis Foot Adapter with Screw Connection

647H12

with rubber bumper and lower bearing shell

Article number	2R51=22-25
Material	Aluminum
Size	22 - 25 cm
Weight	230 g
Max. body weight	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

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

2R63 Foam Connecting Cap

Reference number	**2R63**

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

Reference number	=	**Side**	**Size**
1H38	=	L	26

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

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

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

Accessories

2R33 / 2R51 / 2R10 Single Axis Foot Adapter with Screw Connection 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
Material	Titanium		Aluminum		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

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
1H32	=	L	26

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

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

Single Components as Replacement Parts

2Z67 / 2Z64 Pedilan Sole

Sole contour flat convex

Order example

Reference number	=	Side	Size
2Z67	=	L	23

Reference number	2Z67
Side	left (L), right (R)
Size	23 cm, 24 cm, 25 cm, 26 cm, 27 cm, 28 cm, 29 cm
for	1H32 Single Axis Foot

Reference number	2Z64
Side	left (L), right (R)
Size	23 cm, 24 cm, 25 cm, 26 cm, 27 cm, 28 cm, 29 cm
for	1H34 Single Axis Foot

Accessories

647H12

2R33 / 2R51 / 2R10 Single Axis Foot Adapter with Screw Connection 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		Aluminum		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

1S101 / 1S102 / 1S103 SACH+ Foot

The 1S101, 1S102 and 1S103 SACH+ (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 exeskeletal properties.

646D627=DE 646G762

Order example

Reference number	=	Side	Size	-	0	-	W	/	4
1S101	=	L	22	-	0	-	W	/	4

Max. 80 kg (176 lbs) 21-23 cm
Max. 100 kg (220 lbs) 24-25 cm
Max. 125 kg (275 lbs) 26-30 cm

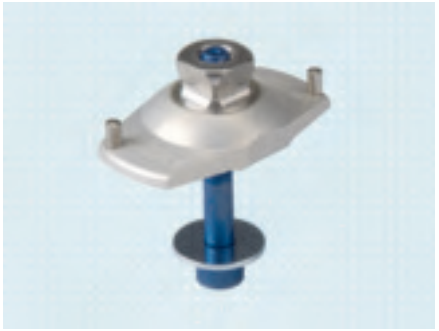
Reference number	1S101								
Mobility grade	1 + 2								
Heel height	10 +/-5 mm								
Side	left (L), right (R)								
Size	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
System height	55 mm	58 mm	61 mm	64 mm	67 mm	70 mm	72 mm	74 mm	76 mm
Weight (without adapter)	~ 385 g	~ 415 g	~ 475 g	~ 515 g	~ 590 g	~ 625 g	~ 680 g	~ 745 g	~ 805 g
Colour	light brown (15), beige (4)								
Shape	normal								
Max. body weight	80 kg		100 kg		125 kg				

Reference number	1S102							
Mobility grade	1 + 2							
Heel height	10 +/-5 mm							
Side	left (L), right (R)							
Size	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm
System height	52 mm	55 mm	58 mm	61 mm	64 mm	67 mm	70 mm	72 mm	74 mm
Weight (without adapter)	~ 315 g	~ 355 g	~ 395 g	~ 445 g	~ 490 g	~ 560 g	~ 615 g	~ 670 g	~ 725 g
Colour	beige (4)								
Shape	narrow								
Max. body weight	80 kg			100 kg		125 kg			

Reference number	1S103							
Mobility grade	1 + 2							
Heel height	20 +/-5 mm							
Side	left (L), right (R)							
Size	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm
System height	55 mm	58 mm	61 mm	64 mm	67 mm	70 mm	72 mm	74 mm
Weight (without adapter)	~ 360 g	~ 400 g	~ 455 g	~ 500 g	~ 570 g	~ 625 g	~ 680 g	~ 735 g
Colour	beige (4)							
Shape	narrow							
Max. body weight	80 kg		100 kg		125 kg			

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

Accessories



647G5

2R54 / 2R31 Foot Adapter with Screw Connection SACH Foot Adapter with Screw Connection



Article number	2R54=M8	2R31=M8	2R8=M8
Material	Aluminum	Titanium	Steel
for	1S67, size 22 – 25		
Screw connection	2D7=M8 Screw Connection		2D6=M8 Screw Connection
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	Aluminum	Titanium	Steel
for	1S101, 1S102, 1S103 (all sizes)		1S101, 1S102,1S103size (size 21-27 up to 125 kg28-30 (275 lbs),up to 100 kg (220 lbs))
Screw connection	2D7=M10 Screw Connection		2D6=M10 Screw Connection
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	,

Single Components as Replacement Parts

Article number	2D7=M10	2D6=M10
for	2R54=M10, 2R31=M10	2R8=M10
Scope of Delivery	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 characteristic 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.

647G354

Order example

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

≤ 150 kg

Reference number	1D10								
Mobility grade	1 + 2								
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	55 mm	58 mm	61 mm	64 mm	67 mm	70 mm	72 mm	74 mm	76 mm
Weight	~ 385 g	~ 415 g	~ 445 g	~ 485 g	~ 565 g	~ 600 g	~ 660 g	~ 700 g	~ 780 g
Colour	beige (4), light brown (15)								
Max. body weight	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.

647G356

Order example

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

Reference number	1D10								
Mobility grade	1 + 2								
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 with 2R54/2R31/2R8	55 mm	58 mm	61 mm	64 mm	67 mm	70 mm	72 mm	74 mm	76 mm
Weight (without adapter)	~ 290 g	~ 320 g	~ 350 g	~ 390 g	~ 470 g	~ 505 g	~ 565 g	~ 605 g	~ 685 g
Colour	beige (4), light brown (15)								
Max. body weight	125 kg								

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

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

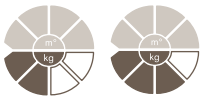
Accessories

647G5

2R54 / 2R31 / 2R8 Foot Adapter with Screw Connection SACH Foot Adapter with Screw Connection Foot adapter with Screw Connection

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

- System height already taken into consideration with the foot.



Article number	2R54=M10	2R31=M10	2R8=M10
Material	Aluminum	Titanium	Steel
for	1D10 (all sizes) and 1D11, size 26 - 28		
Screw connection	2D7=M10 Screw Connection		2D6=M10 Screw Connection
Weight	80 g	70 g	125 g
Max. body weight	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
for	2R54=M8, 2R31=M8	2R54=M10, 2R31=M10	2R40=1, 2R8=M8	2R8=M10
Scope of Delivery	1 cap screw (titanium) 1 washer		1 cap screw (steel) 1 washer	

664D420 647G439
646C54 646DV54

material award 2010

reddot design award honourable mention 2010

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.

Order example

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

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


≤ 80 kg
22 - 23 cm


24 - 25 cm


26 - 30 cm

Reference number	1M10								
Mobility grade	1 + 2								
Side	left (L), right (R)								
Size	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
Weight (without footshell)	~ 255 g		~ 320 g		~ 385 g		~ 465 g		
Stiffness	1, 2, 3								
Max. body weight	80 kg		100 kg		125 kg				

Heel height	10 +/- 5 mm								
Size	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
System height	46 mm	48 mm	53 mm		57 mm	59 mm	64 mm		
Colour	beige (4), light brown (15)								
Shape	normal (N)								

Heel height	20 +/- 5 mm				
Size	22 cm	23 cm	24 cm	25 cm	26 cm
System height	38 mm		44 mm		49 mm
Colour	beige (4), light brown (15)				
Shape	narrow (S)				

Stiffness Chart

Stiffness \ Sizes	22 – 23 cm	24 – 25 cm	26 – 27 cm	28 – 30 cm
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
2C1	=	L	22	/	4	N

Reference number	2C1								
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
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	left (L), right (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
2C19	=	L	23-25	/	4

Reference number	2C19			
Side	left (L), right (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
2C20	=	L	23	/	4

Reference number	2C20					
Side	left (L), right (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)					

2D11 Single Component Pack

Article number	2D11
for	1M10 Adjust
Scope of Delivery	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.

646S1=12.03D 647H166

Order example

Reference number	=	Side	Size
1A30	=	L	26

24 - 25 cm 26 - 29 cm

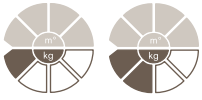
Reference number	1A30					
Mobility grade	2 + 3					
Heel height	10 +/- 5 mm					
Side	left (L), right (R)					
Size	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm
System height	67 mm	68 mm	69 mm	70 mm	71 mm	72 mm
Weight	~620 g	~670 g	~705 g	~760 g	~810 g	~820 g
Colour	beige					
Max. body weight	75 kg		100 kg			

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

Reference number	1A31					
Side	left (L), right (R)					
Size	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm
Max. body weight	75 kg		100 kg			

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

Reference number	2R86
Size	24 cm, 25 cm, 26 cm, 27 cm, 28 cm, 29 cm

Single Component Pack

Article number	2D3	2D4
Size	24 – 25 cm	26 – 29 cm
Scope of Delivery	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

646S1=5.04D 647G127

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	

22 - 25 cm 26 - 30 cm

Reference number	1D35								
Mobility grade	2 + 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	~ 545 g	~ 630 g	~ 645 g	~ 670 g	~ 730 g	~ 755 g
Colour	beige (4), light brown (15)								
Max. body weight	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

Reference number	2C10
Side	left (L), right (R)
Size	21 – 22 cm
for	1D35
Colour	beige (4), light brown (15)

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	left (L), right (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

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
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

Reference number	1C30									
Mobility grade	2 + 3									
Side	left (L), right (R)									
Size	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
Weight (without footshell)	~ 235 g		~ 268 g		~ 346 g		~ 396 g		~ 435 g	
Stiffness	1, 2, 3, 4									
Max. body weight	80 kg		95 kg		110 kg		125 kg			

Heel height	20 +/- 5 mm					
Size	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm
System height	82 mm		85 mm		93 mm	
Colour	beige (4), light brown (15)					
Shape	narrow (S)					

Heel height	10 +/- 5 mm									
Size	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
System height	86 mm		88 mm		95 mm		104 mm	106 mm	108 mm	
Colour	beige (4), light brown (15)									
Shape	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

2C3 Footshell

with connection cap

647G333

Order example

Reference number	=	Side	Size	/	Colour	Shape
2C3	=	L	21	/	4	S
Reference number	**=**	**Side**	**Size**	**/**	**Colour**	
2C3	=	L	21	/	4	

Reference number	2C3					
Heel height	20 +/- 5 mm					
Side	left (L), right (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	2C3									
Heel height	10 +/- 5 mm									
Side	left (L), right (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 (-)									

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
2C10	=	L	21-22	/	4

Reference number	2C10			
Side	left (L), right (R)			
Size	21 – 22 cm	23 – 25 cm	26 – 28 cm	29 – 31 cm
for	normal footshell 2C3			
Colour	beige (4), light brown (15)			

2C20 Connection Cap

Order example

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

Reference number	2C20						
Side	left (L), right (R)						
Size	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm
for	narrow footshell 2C3						
Colour	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	-	/	Solour
1C40	=	L	26	-	0	-	P	/	4	

24 - 25 cm

26 - 30 cm

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

Single Components as Replacement Parts

2C4 Footshell

with connection cap

Order example

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

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

2C11 Connection Cap

Order example

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

Reference number	2C11
Side	left (L), right (R)
Size	23 – 25 cm, 26 – 28 cm, 29 – 30 cm
for	for 2C4 Footshell
Colour	beige (4), light brown (15)

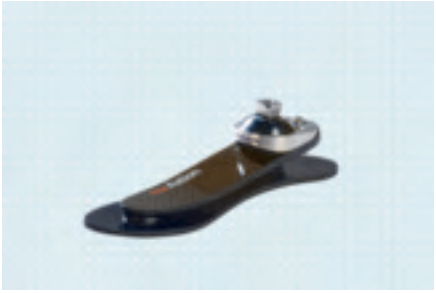
1E56 Axtion

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).



646S1=1.05GB 646D408=GB
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

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

Not stock items

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.

Accessories

647G333

2C5 Footshell

with connection cap

Order example

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

Reference number	2C5									
Side	left (L), right (R)									
Size	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm	31 cm
Weight	~150 g	~155 g	~195 g	~210 g	~225 g	~235 g	~265 g	~275 g	~310 g	~320 g
Colour	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
Size	22 – 25 cm	26 – 31 cm
for	1E56 Axtion	

SL=Spectra-Sock Protective Sock

Article number	SL=Spectra-Sock

2C10 Connection Cap

Order example

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

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

646D446=GB
646D447=GB

647G22

reddot design award
winner 2011

German Design Award
WINNER

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

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

Max. 150
kg/330 lbs
25 - 30 cm

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**									
Mobility grade	3 + 4									
Side	left (L), right (R)									
Size	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
Weight (without footshell)	~355 g		~410 g		~460 g		~505 g		~540 g	
Stiffness	1, 2, 3, 4, 5									
Max. body weight	100 kg				150 kg					
Max. body weight MG 3	100 kg				150 kg					
Max. body weight MG 4	100 kg				125 kg					

Heel height	**15 +/- 5 mm**						
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
System height	116 mm	117 mm	118 mm	120 mm	124 mm	125 mm	136 mm
Colour	beige (4), light brown (15)						
Shape	narrow (S)						

Heel height	**10 +/- 5 mm**						
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
System height	126 mm	129 mm	131 mm	140 mm	141 mm	154 mm	156 mm
Colour	beige (4), light brown (15)						
Shape	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.

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	left (L), right (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	left (L), right (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	left (L), right (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

Reference number	2C20
Side	left (L), right (R)
Size	21 cm, 22 cm, 23 cm, 24 cm, 25 cm, 26 cm, 27 cm
for	2C6=*S Footshell narrow footshell 2C3
Colour	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

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

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646D447=GB

647G674

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
1C61	=	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

Reference number	1C61									
Mobility grade	3 + 4									
Side	left (L), right (R)									
Size	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
Weight (without footshell)	~655 g		~710 g		~760 g		~805 g		~840 g	
Stiffness	1, 2, 3, 4, 5									
Functional ring stiffness	0, 1, 2, 3, 4, 5, 6, 7, 8, 9									
Max. body weight MG 3	100 kg				150 kg					
Max. body weight MG 4	100 kg				125 kg					

Heel height	15 +/- 5 mm						
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
System height	163 mm	164 mm	166 mm	167 mm	175 mm	177 mm	
Colour	beige (4), light brown (15)						
Shape	narrow (S)						

Heel height	10 +/- 5 mm						
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
System height	173 mm	175 mm	177 mm	181 mm	183 mm	189 mm	191 mm
Colour	beige (4), light brown (15)						
Shape	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 94-95.

646D446=GB
646D447=GB

647G675

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
1C62	=	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

Reference number	1C62									
Mobility grade	3 + 4									
Side	left (L), right (R)									
Size	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
Weight (without footshell)	~655 g		~710 g		~760 g		~805 g		~840 g	
Stiffness	1, 2, 3, 4, 5									
Functional ring stiffness	0, 1, 2, 3, 4, 5, 6, 7, 8, 9									
Max. body weight MG 3	100 kg				150 kg					
Max. body weight MG 4	100 kg				125 kg					

Heel height	15 +/- 5 mm						
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
System height	163 mm	164 mm	166 mm	167 mm	175 mm	177 mm	
Colour	beige (4), light brown (15)						
Shape	narrow (S)						

Heel height	10 +/- 5 mm						
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
System height	173 mm	175 mm	177 mm	181 mm	183 mm	189 mm	191 mm
Colour	beige (4), light brown (15)						
Shape	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 94-95.

646D446=GB
646D447=GB

647G823

reddot design award
winner 2013

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 94-95.

Order example

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

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

Max. 150
kg/330 lbs
25-30 cm

Reference number	1C63									
Mobility grade	3+4									
Side	left (L), right (R)									
Size	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
Weight (without footshell)	~300 g	~305 g	~365 g	~370 g	~410 g	~415 g	~450 g	~455 g	~550 g	~555 g
Stiffness	1, 2, 3, 4, 5									
Max. body weight	100 kg				150 kg					

Heel height	15 +/- 5 mm						
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
System height	35 mm			36 mm	40 mm		45 mm
Colour	beige (4), light brown (15)						
Shape	narrow (S)						

Heel height	10 +/- 5 mm						
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
System height	42 mm	43 mm	45 mm	49 mm		52 mm	55 mm
Colour	beige (4), light brown (15)						
Shape	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.

646D446=GB
646D447=GB

647G824

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.

- 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 94-95.

Order example

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

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

Max. 150 kg/330 lbs
25-30 cm

Reference number	1C64									
Mobility grade	3 + 4									
Side	left (L), right (R)									
Size	21 cm	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm
Weight (without footshell)	~430 g		~485 g		~535 g		~580 g		~615 g	
Stiffness	1, 2, 3, 4, 5									
Max. body weight	100 kg				150 kg					

Heel height	15 +/- 5 mm						
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
System height	116 mm	117 mm	118 mm	120 mm	124 mm	125 mm	136 mm
Colour	beige (4), light brown (15)						
Shape	narrow (S)						

Heel height	10 +/- 5 mm						
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
System height	126 mm	129 mm	131 mm	140 mm	141 mm	154 mm	156 mm
Colour	beige (4), light brown (15)						
Shape	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.

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.

647G478
646A254=D

DESIGNPREIS 2009 NOMINIERT

reddot design award winner 2008

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).

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

Reference number	1E58									
Mobility grade	3 + 4									
Heel height	13 +/- 5 mm									
Size	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm	31 cm
Min. system height A pylon	184 mm									
Min. system height B pylon	200 mm									
Max. system height	368 mm									
Weight	360 g	380 g	385 g	390 g	245 g	435 g	445 g	455 g	465 g	475 g
Max. body weight	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 multiaxial 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

646S1=6.03D SL=42P310

≤ 150 kg

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

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

SL=42P310

1E61 Springlite II

The Springlite II prosthetic foot is custom-made.

Since it has no weight and foot size limits, is 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.

Reference number	**1E61**
Mobility grade	3 + 4
Heel height	13 mm

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

Accessories for Springlite II

- for direct lamination

4R420 Posterior Connection Plate (set)

for direct lamination in transtibial fittings (posterior)

Article number	**4R420**
Max. body weight	Unlimited

2R176=T T-Adapter

for direct lamination in transtibial fittings (distal)

Article number	2R176=T
Max. body weight	Unlimited

Accessories for all Pylon Feet

- Please order separately

2C5 Footshell

with connection cap

Order example

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

647G333

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

2C100 Footshell Replacement Tool

Article number	2C100

Single Components as Replacement Parts

SL=Spectra-Sock Protective Sock

Article number	SL=Spectra-Sock

2C10 Connection Cap

Order example

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

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

A-Pylon

Accessories

Connection to modular components with pyramid adapter/receiver

4R82=P
Tube Clamp Adapter
Ø 34 mm
SH* -12 mm

4R82
Tube Clamp Adapter
Ø 34 mm
SH* 33 mm

Ø 34 mm

2R183
Spacer sleeve,
50 mm
SH* 6 mm

2R183=L
Length adjustment,
120 mm
SH* 79 mm

Connection to modular components with tube clamp

Ø 30 mm

2R182=30
Transfemoral Fitting
SH* 89 mm

Ø 34 mm

2R183
Spacer sleeve,
50 mm
SH* 6 mm

Connection to socket adapter/attachment block

4-hole Euro M6

4R431=1
Socket Adapter
SH* 5 mm

4-hole Euro M6 without thread

4R431=2
Socket Adapter
SH* 5 mm

Single components

4R415
Spacer Plate,
4-hole, height 3 mm
SH* 3 mm

B-Pylon

Accessories

Connection to modular components with tube clamp

Ø 30 mm

2R185=30
Oberschenkel-versorgung
SH* 89 mm

Ø 34 mm

2R185=34
Oberschenkel-versorgung
SH* 89 mm

Connection to socket adapter/attachment block

4-hole Euro M6

4R432=1
Socket Adapter
SH* 3 mm

4-hole Euro M6 without thread

4R432=2
Socket Adapter
SH* 3 mm

Single components

4R415
Spacer Plate, 4-hole, height 3 mm
SH* 3 mm

* SH = system height

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.

SL=42P303

≤ 136 kg

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

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

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

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

Accessories

Please order separately

SL=P078 Chopart Bonding Kit

Contains 636W80 Primer

Article number	SL=P078

SL=P071 Fill Footshell Foam Kit

Article number	SL=P071

2C5 Footshell

with connection cap

Order example

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

647G333

Reference number	2C5									
Side	left (L), right (R)									
Size	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm	30 cm	31 cm
Weight	~150 g	~155 g	~195 g	~210 g	~225 g	~235 g	~265 g	~275 g	~310 g	~320 g
Colour	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
2C10	=	L	21-22	/	4

Reference number	2C10			
Side	left (L), right (R)			
Size	21 – 22 cm	23 – 25 cm	26 – 28 cm	29 – 31 cm
for				
for	2C5 Footshell			
Colour	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).

646S1=15.04GB 647G174
646DV7 646V87=GB

Order example

Reference number	=	Side	Size	-	Stiffness	-	A	/	Colour
1C20	=	L	25	-	1	-	A	/	4

25 - 26 cm

26 - 28 cm

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

STIFFNESSCHART

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

Single Components as Replacement Parts

2G120 Lamination Anchor

with lamination cover

Article number	**2G120**

2Z120 Screw Set

Article number	**2Z120**

2Z328 Setting Aid with Screw

Article number	**2Z328**

2C2 Footshell

Order example

Reference number	=	**Side**	**Size**	/	**Colour**
2C2	=	L	25	/	4

Reference number	**2C2**			
Side	left (L), right (R)			
Size	25 cm	26 cm	27 cm	28 cm
Weight	190 g	230 g	235 g	255 g
Colour	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

≤136 kg (299 lbs)

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

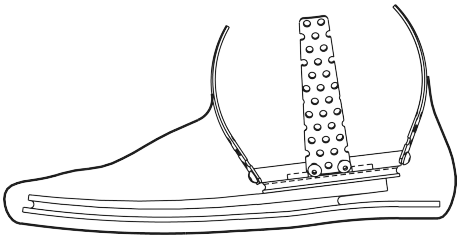
XO Coupler

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
Diameter	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.



647G333

2C5 Footshell

with connection cap

Order example

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

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

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.

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

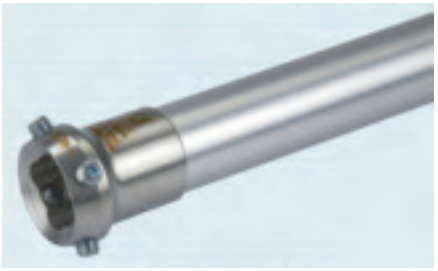
The tube adapters are available in 2 different lengths.

Article number	2R50	2R49
Diameter	30 mm	
Material	Aluminum	
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.



647H90=1

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 Ø 34 mm should be used (e.g. 2R57/2R76).

2R38=10 Tube Adapter, angled 10°

647H90=1

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

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

647H90

Tube Clamp Adapter

Article number	4R52
Diameter	30 mm
Material	Titanium
System height	33 mm
Weight	75 g
Max. body weight	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

Article number	4R69
Diameter	30 mm
Material	Aluminum
System height	33 mm
Weight	75 g
Max. body weight	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

Article number	4R21
Diameter	30 mm
Material	Stainless steel
System height	33 mm
Weight	130 g
Max. body weight	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

647H129

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

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

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.

647H66

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

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

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^{3D} 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
Diameter	30 mm		
Material	Titanium		
System height	34 mm		35 mm
Weight	85 g		100 g
Angling	10 °	20 °	30 °
Max. body weight	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
4D4 Single Component Pack	●	●	●			●
501Z2=M6x25 Cap Screw				▲	▲	
501Z2=M6x35 Cap Screw					▲	
501Z16 Clamping Screw						▲
506G3=M5x8 Set Screw						▲
506G3=M8x12-V Grub Screw	▲	▲	▲			
506G3=M8x14 Set Screw				▲		
506G3=M8x16 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

647G180

4R82 Tube Clamp Adapter

≤ 150 kg

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

647G180

4R91 Tube Clamp Adapter

≤ 150 kg

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

647G180

4R82=P Tube Clamp Adapter

≤ 150 kg

Article number	4R82=P
Diameter	34 mm
Material	Titanium
System height	-12 mm
Weight	90 g
Max. body weight	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.

647H48

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

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.

647G748

≤ 150 kg

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

Single Components as Replacement Parts

Article number/Reference number	4R82	4R82=P	4R88	4R91	4R156
4D4 Single Component Pack	●	●	●	●	
4D28 Single Component Pack					●
4X28=3 Plastic Ring					■
501Z16 Clamping Screw			▲		
506G3=M8x12-V Grub Screw				▲	▲
506G3=M8x14 Set Screw	▲		▲		

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

4R72 Double Adapter

≤ 150 kg

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 srews are available in the dimensions M8X12, M8X14 and M8X16.

647H34

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.

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	

647H137

Double Adapter

≤ 150 kg

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

647G300

647H41

4R84 Double Adapter

≤ 150 kg

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

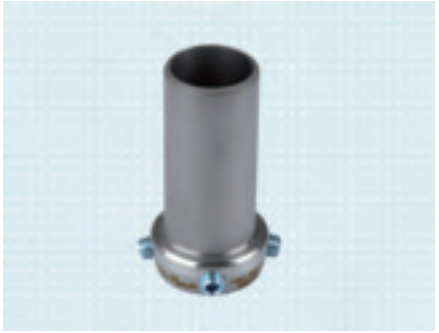
- For the use in water and in humid environments the included set screws have to be changed to anti corrosive Titanium set screws 506G5=* (e.g. 506G5=M8X12). The Titanium set srews are available in the dimensions M8X12, M8X14 and M8X16.

647H436

Connection Adapter

≤ 150 kg

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



647H436

≤ 150 kg

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

Single Components as Replacement Parts

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

▲ minimum order quantity required

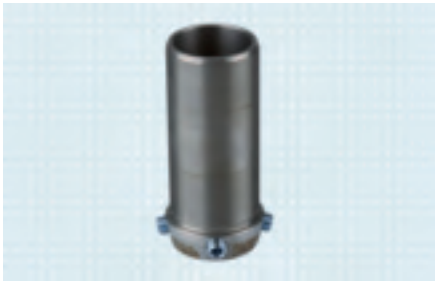
647G185

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

Article number	4R50
Material	Titanium
System height	-1 mm
Weight	70 g
Max. body weight	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

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

647H141

4R101 Sliding Adapter

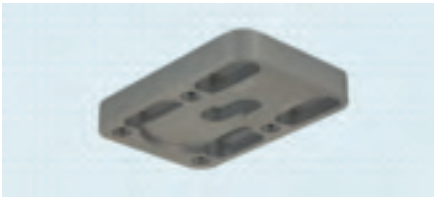
The 4R101 Sliding Adapter is installed between the socket attachment block (5R1 or 5R6) and the socket adapter (e.g. 4R51).
Independent repositioning in the frontal and sagittal plane is possible. The displacement can be read on the scale.

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

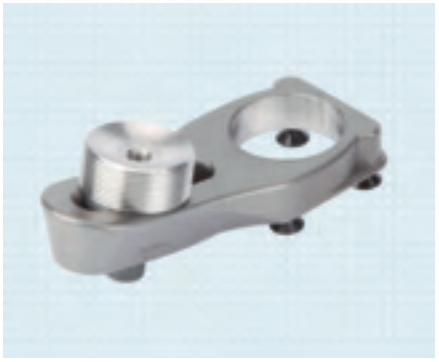
4R118 Adapter Plate

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).



647G319

Article number	4R118
Material	Aluminum
System height	10 mm
Weight	75 g
Displacement	10 to 25 mm
Max. body weight	125 kg



646D666 647G644

4R170 Sliding Adapter

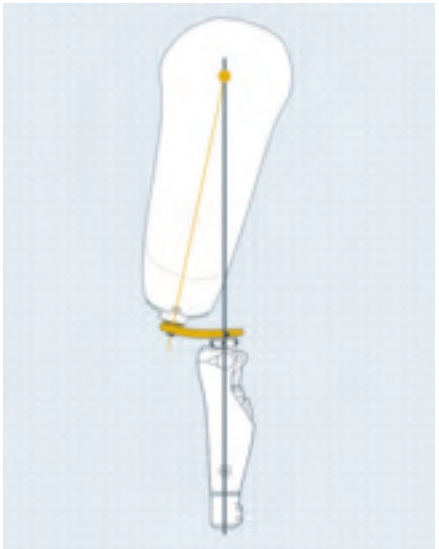
4R170=1 and 4R170=2 Sliding Adapters help you optimise the alignment of your prosthesis so you get a better quality fit. These adapters can be slid along a circular path so you can make fine adjustments to the socket flexion position in transfemoral prostheses.

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 135). The 4R50 Pyramid Adapter (the pages 132, 135) can be screwed on to the thread in order to create the connection to a prosthetic component with a pyramid receiver.

≤ 150 kg

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

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

Single Components as Replacement Parts

Article number	4R44=L	4R50	4R101	4R118	4R170=1	4R170=2
4Y212 Clamping Nut			▲			
501S41=M6x12 Countersunk Head Screw (Allen screw)				▲	▲	▲
501S44=M6x25 Oval Flange Head Screw (Allen screw)			▲			
501T61=M6x12 Cap Screw				▲		
501T61=M6x25 Cap Screw				▲		
501T61=M6x30 Cap Screw				▲		
501Z2=M6x20 Cap Screw		▲				
506G3=M4x12 Set Screw			▲			
506G3=M8x12-V Grub Screw	▲					

▲ minimum order quantity required

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.


4R100/4R68


4R63
≤ 136 kg (300 lbs)

Article number	4R100	4R68	4R63
Material	Titanium	Aluminum	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 152).

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 152).

4R89 Lamination Anchor with Pyramid Adapter, rotatable

647H247

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

- Use the 4X46 Lamination Dummy when laminating. It must be ordered separately (see accessories Page 138).

4R41 Lamination Anchor with Pyramid Receiver, rotatable

647H247

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

- Use the 4X46 Lamination Dummy when laminating. It must be ordered separately (see accessories Page 138).

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 152).

647G123

≤ 150 kg

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

- Use the 4X46 Lamination Dummy when laminating. It must be ordered separately (see accessories Page 138).

647G123

4R116 Lamination Anchor with Pyramid Adapter, rotatable

≤ 150 kg

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

- Use the 4X46 Lamination Dummy when laminating. It must be ordered separately (see accessories Page 138).

647G123

4R111 Lamination Anchor with Pyramid Receiver, rotatable

≤ 150 kg

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

- Use the 4X46 Lamination Dummy when laminating. It must be ordered separately (see accessories Page 138).

4X46 Lamination Dummy

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

Article number	4X46

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

647G476

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

- Only suitable for use in transfemoral prostheses.

Use the 4X46 Lamination Dummy when laminating. It must be ordered separately. See Page 138

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

4R87 Pyramid Adapter with Threaded Connector

Article number	4R87
Material	Stainless steel
System height	-11 mm
Weight	85 g

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

4R44=N Pyramid Receiver with Threaded Connector

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

Single Components as Replacement Parts

Article number	4R41	4R43	4R89	4R111	4R111=N	4R116	4R119
4R43 Lamination Anchor with Threaded Connector	■		■				
4R44=N Pyramid Receiver with Threaded Connector	■			■			■
4R87 Pyramid Adapter with Threaded Connector			■			■	
4R111=N Lamination Anchor with Threaded Connector				■		■	
501Z2=M5x22 Cap Screw							▲
501Z2=M5x30 Cap Screw	▲	▲	▲				
501Z2=M6x22 Cap Screw				▲	▲	▲	
506G3=M8x12-V Grub Screw	▲			▲		▲	▲
507U16=5.2-Niro Rounded Washer				▲	▲	▲	▲

▲ minimum order quantity required ■ can be ordered individually

Socket Adapter with Pyramid Adapter

647H31

Article number	4R54	4R74	4R23
Material	Titanium	Aluminum	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

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

647H31

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

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

647H31

4R73=D

4R73=A

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	

647G382

Socket Adapter with Pyramid Receiver

4R55
≤ 150 kg (330 lbs)

4R95

4R22

Article number	4R55	4R95	4R22
Material	Titanium	Aluminum	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

5R1=1
5R1=2
5R1=6

5R1=6-H
≤ 150 kg (330 lbs)

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

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

- 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.

≤ 150 kg

647G179

Article number	5R2
Material	Aluminum
System height	9 mm
Weight	70 g
Max. body weight	150 kg

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

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.

≤ 150 kg

Article number	5R2=C
Material	Carbon
System height	10 mm
Weight	50 g
Max. body weight	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
Material	Aluminium		
for	6B3=1	6B3=2	
Residual limb end circumference	~400 mm	~320 mm	~250 mm
System height	4 mm		
Weight	160 g	135 g	115 g
Max. body weight	100 kg		

- The 5Y14 Tool is required to create the proper distal shape. It must be ordered separately (see accessories Page 145).

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

647H4

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
Diameter	30 mm		-	
Material	Aluminum			
System height	16 mm	17 mm	1 mm	2 mm
Weight	280 g	255 g	280 g	265 g
Displacement in frontal plane	+/- 8 mm			
Displacement in the sagittal plane	+/- 6 mm			
To be used for	Laminated socket	Thermoplastic socket	Laminated socket	Thermoplastic socket
Max. body weight	100 kg			

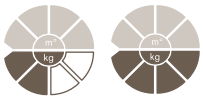
- The 4X100 Lamination Dummy has to be used for laminating or vacuum forming. It is included with the socket attachments.
  For the fabrication of the thermoplastic socket, the lamination dummy must be mounted on the vacuum forming shell. The lamination dummy will be removed after vacuum forming.

Single Components as Replacement Parts

Article number/Reference number	4R108	4R109	5R1	5R2	5R6
501S41=M6x12 Countersunk Head Screw (Allen screw)				▲	
501S41=M6x16 Countersunk Head Screw (Allen screw)				▲	
501S41=M6x25 Countersunk Head Screw (Allen screw)			▲		
501S41=M6x30 Countersunk Head Screw (Allen screw)					▲
501S41=M10x20 Countersunk Head Screw (Allen screw)	▲				
501S74=3.5x9.5 Sheet Metal Screw				▲	
501Z2=M6x22 Cap Screw	▲				
501Z10 Oval Countersunk Head Screw		▲			
506S1=5x16 Clamping Sleeve	▲	▲			

▲ minimum order quantity required

Modular Transtibial Sets



≤ 150 kg

Article number	2R120	2R121	2R102
Diameter	30 mm		34 mm
Material	Titanium		
Consisting of	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
Max. body weight	100 kg		150 kg

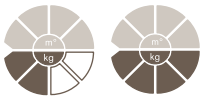
Technical data and information for the individual components of the set are found under the respective components.

Modular Transtibial and Transfemoral Sets

Article number	2R105	2R122	4R201
Diameter	30 mm		
Material	Aluminum		Aluminum, Stainless steel
Consisting of	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
Max. body weight	125 kg	100 kg	

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

Modular Transtibial Sets



≤ 150 kg

Article number	2R123	2R124	2R125=M8	2R125=M10	2R103
Diameter	30 mm				34 mm
Material	Stainless steel				
Consisting of	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
Max. body weight	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.

647G258

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

Article number	4R57	4R57=ST
Material	Stainless steel	
Distal connection	Pyramid Receiver	
Proximal connection	Pyramid Adapter	Thread
System height	22 mm	42 mm
Weight	170 g	185 g
Rotation	max. 360° (without foam cover)	
Max. body weight	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 152).
- The 4R57 cannot be combined with the 2R49, 2R50 or 4R95.

Accessories

4X46=ST Lamination Dummy

Article number	4X46=ST
for	4R57=ST Rotation Adapter

Single Components as Replacement Parts

Article number	4R57	4R57=ST
4X69=1 Release Button Cover, grey	■	■
4X69=7 Release Button Cover, black	■	■
506G3=M8x12 Grub Screw	▲	▲

▲ minimum order quantity required ■ can be ordered individually

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.

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

≤ 110 kg

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

647G23

4R40 Torsion Adapter

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

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

647G23

4R39 Torsion Adapter

Torsion adapter with Ø 30 mm tube and pyramid receiver.

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

647G23

Single Components as Replacement Parts

Article number	4R39	4R40	4R85	4R86
4D4 Single Component Pack			●	●
506G3=M8x12 Grub Screw	▲	▲	▲	▲

▲ minimum order quantity required ● Single Component Pack

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.

4R121=30
4R120

4R121=34

Article number	4R120	4R121=30	4R121=34
Mobility grade	2 - 4		
Outside Ø	47 mm		
Material	Aluminum		
Distal connection	Pyramid Receiver		
Proximal connection	Tube clamp Ø 30 mm	Tube Ø 30 mm	Tube Ø 34 mm
System height	117 mm		
Min. system height		117 mm	174 mm
Max. system height		553 mm	578 mm
Weight	~ 340 g	~ 530* g	~ 585* g
max. torsion inner/outer	± 20 °		
max. dampening	~ 8 mm		
Max. body weight	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
709H7 Socket Nut 1/2" hexagon SW11	■	■
709H8 Socket Nut Extension 1/ 2", length 575 mm	■	■
709H9 T-Handle 1/2"	■	■

■ can be ordered individually

Single Components as Replacement Parts

Article number	4R120	4R121=30	4R121=34
633F30 Special Grease (Tube)	■	■	■
709H4 Combination Wrench	■	■	■
709H5=1 Elastomer Plate, hardness: soft	■	■	■
709H5=2 Elastomer Plate, hardness: medium	■	■	■
709H5=3 Elastomer Plate, hardness: hard	■	■	■
709H6=1 Elastomer Bar, hardness: soft	■	■	■
709H6=2 Elastomer Bar, hardness: medium	■	■	■
709H6=3 Elastomer Bar, hardness: hard	■	■	■

■ can be ordered individually


LEGRAND

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 (see knee-foot combination, page 32).

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.

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

- Use the 3S107 Foam Cover for the 3R41.
- Accessory the pages 165, 169, 182

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

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

- Use the 3R24 or 3S124 Foam Cover for the 3R40. Fabrication of a customised cosmetic foam cover is possible.
See Page 273

Accessory the pages 165, 169, 182

Single Components for 3R40 as Spare Parts

4D16 Single Component Pack

Article number	4D16
for	3R40
Consisting of	1 plastic cap 2 set screws 1 lock bale with cable guide 5 pcs. perlon cable 1 threaded fitting, short 1 cable clamp 1 plastic ring 2 stops 1 pad button with thread 1 lamination plate with bore hole 1 lock slide

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.

3R33

3R17
≤ 150 kg (330 lbs)

Article number	3R33	3R17
Mobility grade	1	
Material	Titanium	Stainless steel
Distal connection	Pyramid Adapter	
Proximal connection	Pyramid Adapter	
Knee flexion angle	120 °	
System height	43 mm	
proximal system height to alignment reference point	6 mm	
distal system height to alignment reference point	37 mm	
Weight	530 g	695 g
Max. body weight	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 273

Single Components for 3R33 and 3R17 as Spare Parts

4D10 Single Component Pack

Article number	4D10
for	3R33, 3R17
Consisting of	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

Article number	4D11
for	4F18=N
Consisting of	1 lock slide 1 threaded fitting, short 1 cable clamp 5 pcs. perlon cable 2 pad buttons and thread 1 lamination plate with bore hole

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.

Article number	4F34
Consisting of	1 housing 1 grip 1 cover 1 oval head screw 1 clamping bushing 2 raised head wood screws 1 Allen wrench

647H84

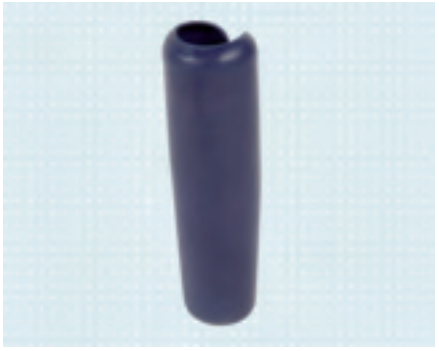
Modular Monocentric Knee Joint with Friction Brake, with Extension Assist and Protective Sleeve

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
Mobility grade	1 + 2	
Material	Titanium	Stainless steel
Distal connection	Pyramid Adapter	
Proximal connection	Pyramid Adapter	
Knee flexion angle	150 °	
System height	9 mm	
proximal system height to alignment reference point	8 mm	
distal system height to alignment reference point	1 mm	
Weight	360 g	490 g
Max. body weight	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 273

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

4D1 Single Component Pack

Article number	4D1
Consisting of	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

Upper and lower joint sections are connected by linkage bars. Stance phase stability is achieved through polycentric kinematics (instantaneous centre of rotation is set by adjusting the stop).

Swing phase control is adjustable using axis friction and the extension assist spring.

647G72

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	

- Use the 3R24 or 3S124 foam cover for the 3R36 and 3R20. Fabrication of a customised cosmetic foam cover is possible.
See Page 273

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

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.

Article number	3R93
Mobility grade	1 + 2
Material	Aluminum
Distal connection	Tube clamp, 34 mm Ø
Proximal connection	Pyramid Adapter
Knee flexion angle	130 °
System height	82 mm
proximal system height to alignment reference point	8 mm
distal system height to alignment reference point	74 mm
Weight	760 g
Max. body weight	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

647G180=1

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

2R58 Tube Adapter

The tube adapters are available in 2 different lengths.

≤ 150 kg

647G180=1

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

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.

Article number	4F34
Consisting of	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

Article number	4D29
Consisting of	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

Article number	710H10=2X3

4G650 Pull Cable, complete

Article number	4G650
Consisting of	1 perlon cable 1 cable clamp 1 simplex hook 1 expansion spring 1 threaded fitting, short

4F18=N Lock Slide

complete

Article number	4F18=N
Consisting of	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.

Article number	3R90
Mobility grade	1 + 2
Material	Aluminum
Distal connection	Tube Clamp
Proximal connection	Pyramid Adapter
Knee flexion angle	135 °
System height	97 mm
proximal system height to alignment reference point	8 mm
distal system height to alignment reference point	89 mm
Weight	745 g
Max. body weight	125 kg

646D338 647G113

- Use the 3S107 Foam Cover for the 3R90 and 3R92. Fabrication of a customised cosmetic foam cover is possible.
See Page 274

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.

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.

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.

Article number	3R92
Mobility grade	2 + 3
Material	Aluminum
Distal connection	Tube Clamp
Proximal connection	Pyramid Adapter
Knee flexion angle	135 °
System height	154 mm
proximal system height to alignment reference point	8 mm
distal system height to alignment reference point	146 mm
Weight	895 g
Max. body weight	125 kg

- Use the 3R107 Foam Cover for the 3R92. Fabrication of a customised cosmetic foam cover is possible.
See Page 274

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

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

647G180=1

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.

Reference number	3R78
Mobility grade	2 + 3
Material	Aluminum
Distal connection	Tube clamp Ø30 mm
Proximal connection	Pyramid Adapter
Knee flexion angle	150 °
System height	156 mm
proximal system height to alignment reference point	-7 mm
distal system height to alignment reference point	163 mm
Weight	750 g
Max. body weight	100 kg

Use the 3R6 or 3S106 Foam Cover for the 3R78. Fabrication of a customised cosmetic foam cover is possible. Page 272

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.

646D649 647G208

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 274

Article number	3R106	3R106=HD*	3R106=ST	3R106=KD
Mobility grade	2 + 3			
Material	Aluminum			
Distal connection	Tube Clamp Ø 30 mm			
Proximal connection	Pyramid Adapter	Pyramid Adapter (10° inclined)	Threaded Connector	Lamination Anchor
Knee flexion angle	170 °			
System height	162 mm	164 mm	180 mm	184 mm
proximal system height to alignment reference point	-6 mm	-4 mm	12 mm	16 mm
distal system height to alignment reference point	168 mm			
Weight	760 g	790 g	765 g	755 g
Scope of Delivery	All versions of the 3R106 Modular Knee Joint are supplied with a Ø 30 mm tube adapter and an additional, weaker extension assist spring.			
Max. body weight	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.

Single Components for 3R106 as Spare Parts

4D3 Single Component Pack

Article number	4D3
for	3R106
Consisting of	1 stop 4 truss head screws 4 two-hole nuts 3 set screws, Allen head

646S1=24.04 647G167

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 274

Article number	3R60	3R60=HD*	3R60=ST	3R60=KD
Mobility grade	2 + 3			
Material	Aluminum			
Distal connection	Pyramid Adapter			
Proximal connection	Pyramid Adapter	Pyramid Adapter (10° inclined)	Threaded Connector	Lamination Anchor
Knee flexion angle	175 °		125 °	145 °
System height	171 mm	174 mm	189 mm	193 mm
proximal system height to alignment reference point	-2 mm	1 mm	16 mm	20 mm
distal system height to alignment reference point	173 mm			
Weight	845 g	880 g	845 g	940 g
Max. body weight	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.

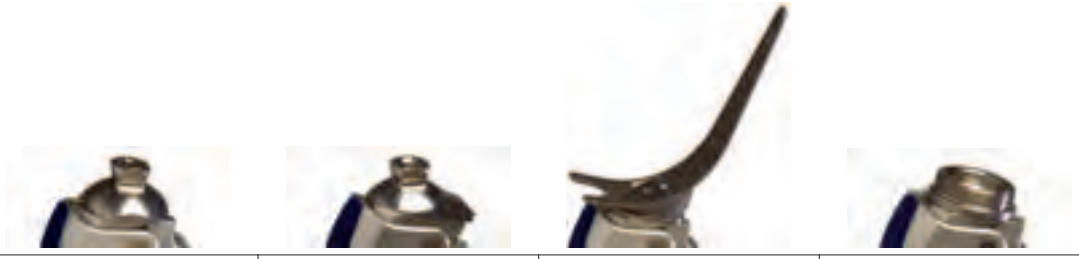
3R60-PRO Modular EBS^{pro} Polycentric Knee Joint with hydraulic swing phase control

Comfort and safety are ensured by the unique characteristic of the advanced ergonomically balanced stride unit EBS^{pro}, 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^{pro} 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.

646D303 647G381

Use the 3R107 Foam Cover for the EBS^{pro}. Fabrication of a customised cosmetic foam cover is possible. See Page 274



Article number	3R60-PRO	3R60-PRO=HD*	3R60-PRO=KD	3R60-PRO=ST
Mobility grade	2 + 3			
Material	Aluminum			
Distal connection	Pyramid Adapter			
Proximal connection	Pyramid adapter (movable)	Pyramid Adapter (10° inclined)	Lamination Anchor	Threaded Connector
Knee flexion angle	175 °		145 °	125 °
System height	150 mm		169 mm	165 mm
proximal system height to alignment reference point	2 mm		21 mm	17 mm
distal system height to alignment reference point	148 mm			
Weight	770 g		840 g	750 g
Max. body weight	75 kg			

* Using the especially adapted version of the 3R60-PRO=HD is mandatory for hip disarticulation fittings

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
Mobility grade	3 + 4	
Material	Aluminum	
Distal connection	Tube Clamp Ø 34 mm,	
Proximal connection	Pyramid Adapter	Threaded Connector
Knee flexion angle	150 °	
System height	163 mm	179 mm
proximal system height to alignment reference point	28 mm	44 mm
distal system height to alignment reference point	135 mm	
Weight	1240 g	1225 g
Scope of Delivery	2R57=16-285-WF Tube Adapter Ø 34 mm More powerful extension assist spring Quick Reference Guide	
Max. body weight	150 kg	

- Use the 3S107 Foam Cover for the 3R80.
  Fabrication of a customised cosmetic foam cover is possible.
  See Page 274

Single Components for 3R80 as Spare Parts

647G180=1

2R77 Tube Adapter

≤ 150 kg

Article number	2R77
Diameter	34 mm
Min. system height	77 mm
Max. system height	472 mm
Weight	370 g
Max. body weight	150 kg

2R58 Tube Adapter

≤ 150 kg

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

647G180=1

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
Mobility grade	3 + 4	
Material	Aluminum	
Distal connection	Pyramid Adapter	
Proximal connection	Pyramid Adapter	
Knee flexion angle	135 °	155 °
System height	62 mm	
proximal system height to alignment reference point	6 mm	
distal system height to alignment reference point	56 mm	
Weight	360 g	340 g
Max. body weight	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 273

Single Components for 3R95 and 3R95=1 as Spare Parts

4D17 Single Component Pack

Article number	4D17
for	3R95, 3R95=1
Consisting of	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

Article number	3R55
Mobility grade	3 + 4
Material	Titanium
Distal connection	Pyramid Adapter
Proximal connection	Pyramid Adapter
Knee flexion angle	110 °
System height	90 mm
proximal system height to alignment reference point	9 mm
distal system height to alignment reference point	81 mm
Weight	720 g
Max. body weight	125 kg

- Use the 3R6 or 3S106 Foam Cover for the 3R55. Fabrication of a customised cosmetic foam cover is possible.
See Page 272

Single Components for 3R55 as Spare Parts

4D19 Single Component Pack

Article number	4D19
for	3R55
Consisting of	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

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 175-176, 186.

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.

Article number	3R32	3R23
Mobility grade	1	
Material	Titanium	Stainless steel
Distal connection	Pyramid Adapter	
Proximal connection	Lamination Anchor	
Knee flexion angle	110 °	
System height	99 mm	
proximal system height to alignment reference point	17 mm	
distal system height to alignment reference point	82 mm	
Weight	655 g	880 g
Max. body weight	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 271-272

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.

Article number	4F34
Consisting of	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

Article number	4D9
Consisting of	4 slotted bushings 4 Belleville spring washers 2 lock rings 3 set screws 2 lock nuts 2 stops 4 truss head screws 4 two-hole nuts

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
Mobility grade	1 + 2	
Material	Titanium	Stainless steel
Distal connection	Pyramid Adapter	
Proximal connection	Lamination Anchor	
Knee flexion angle	110 °	
System height	99 mm	
proximal system height to alignment reference point	17 mm	
distal system height to alignment reference point	82 mm	
Weight	655 g	1010 g
Max. body weight	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 271-272

Single Components for 3R30 and 3R21 as Spare Parts

4D7 Single Component Pack

Article number	4D7
Consisting of	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.

Article number	3R46
Mobility grade	3 + 4
Material	Titanium
Distal connection	Pyramid Adapter
Proximal connection	Lamination Anchor
Knee flexion angle	110 °
System height	99 mm
proximal system height to alignment reference point	17 mm
distal system height to alignment reference point	82 mm
Weight	740 g
Max. body weight	125 kg

647G94

- Use the 6R6 (3R6) Foam Cover for the 3R46.
  Fabrication of a customised cosmetic foam cover is possible.
  See the pages 271-272

Single Components for 3R46 as Spare Parts

4D18 Single Component Pack

Article number	4D18
Consisting of	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

646A221=GB C-Leg and C-Leg compact Brochure
646D61=GB Information for Users
646A231=GB Information for Prosthetists
646B33=GB C-Leg Studies
647F281 Technician Questionnaire
647F283 User Application Questionnaire

647H215=D/GB/F/E Instructions for Use

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:

- 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
Mobility grade	3 + 4			
Material	Carbon			
Distal connection	Tube Clamp			
Proximal connection	Pyramid Adapter	Threaded Connector	Pyramid Adapter	Threaded Connector
Knee flexion angle	125 °			
System height	196 mm	214 mm	196 mm	214 mm
proximal system height to alignment reference point	5 mm	23 mm	5 mm	23 mm
distal system height to alignment reference point	191 mm			
Weight (without tube adapter)	1,143 g	1,147 g	1,143 g	1,147 g
Max. body weight	136 kg			

2R82 / 2R81 C-Leg Tube Adapters

Please use the tube adapter selection disc (4X77=GB) to choose the correct length.

≤ 136 kg

Article number	2R82=110	2R82=120	2R82=160	2R82=200	2R82=240	2R81=160	2R81=200	2R81=240
Material	Aluminium					Aluminum		
Length	110 mm	120 mm	160 mm	200 mm	240 mm	160 mm	200 mm	240 mm
Min. system height	147 mm	157 mm	197 mm	237 mm	277 mm	197 mm	237 mm	277 mm
Max. system height	197 mm	207 mm	247 mm	287 mm	327 mm	247 mm	287 mm	327 mm
Weight	178 g	188 g	212 g	234 g	256 g	438 g	460 g	482 g
Design	Standard					Torsion unit		
Max. body weight	100 kg	136 kg				125 kg		

646A221=GB C-Leg and C-Leg compact Brochure
646D179=GB Information for Users
646A231=GB Information for Prosthetists

647G170=GB Instructions for Use

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 und 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.

Reference number	3C96-1 / 3C86-1	3C86-1
Mobility grade	2 + 3	
Material	Carbon	
Distal connection	Tube Clamp	
Proximal connection	Pyramid Adapter	Threaded Connector
Knee flexion angle	125 °	
System height	196 mm	214 mm
proximal system height to alignment reference point	5 mm	23 mm
distal system height to alignment reference point	191 mm	
Weight (without tube adapter)	1.000 g	1.000 g
Max. body weight	125 kg	

2R82 / 2R81 C-Leg Tube Adapters

Please use the tube adapter selection disc (4X77=GB) to choose the correct length.

≤ 136 kg

Article number	2R82=110	2R82=120	2R82=160	2R82=200	2R82=240	2R81=160	2R81=200	2R81=240
Material	Aluminium					Aluminum		
Length	110 mm	120 mm	160 mm	200 mm	240 mm	160 mm	200 mm	240 mm
Min. system height	147 mm	157 mm	197 mm	237 mm	277 mm	197 mm	237 mm	277 mm
Max. system height	197 mm	207 mm	247 mm	287 mm	327 mm	247 mm	287 mm	327 mm
Weight	178 g	188 g	212 g	234 g	256 g	438 g	460 g	482 g
Design	Standard					Torsion unit		
Max. body weight	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=D Product Information Brochure

647H506 Instruction for Use

Article number	4X160=1.2	4X160=5.6
Material	Plastic	
Weight	≤ 330 g	
Colour	dolphin	blue

Service and Spare Parts Set for the C-Leg Protector

4X177 Protector Closure Kit

Article number	4X177
Consisting of	2 calf closures 1 charging plug cover 1 ankle closure

4X178 Tube Protector Set

Article number	4X178
Consisting of	1 tube protector 1 retaining ring, long 1 retaining ring, short 1 sock band

4X202 Sock Band for C-Leg Protector

Article number	4X202

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 new 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.

Article number	4X180
for	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.

Article number	60X3
for	Connection to the C-Leg or C-Leg compact

646D225

60X5 BionicLink PC

Thanks to integrated BluetoothTM technology in the Genium, knee joint settings can be modified wirelessly under realistic conditions.
The 60X5 USB BluetoothTM adapter must be used for the BluetoothTM data transfer between the Genium and X-Soft (4X1) software, since the performance of conventional BluetoothTM 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)

Accessories

757L16-2 Power Supply

For C-Leg and C-Leg compact

Article number	757L16-2

4E50-2 Battery Charger

For C-Leg and C-Leg compact

Article number	4E50-2

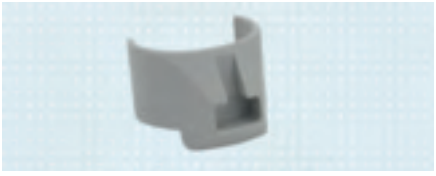
4X78 Charger Extension Cable

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

4X79 Plug Holder for Charger Extension Cable

Article number	4X79



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

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

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

646D594 Genium Information for Users
646D595 Information for Prosthetists

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.

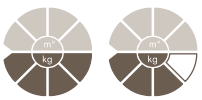
Thanks to the new X-Soft adjustment software, the system can even aid in its own customisation for individual users, helping to ensure that the all of its benefits can be utilised.

≤ 150 kg (300 lbs)

Article number	3B1	3B1=ST
Mobility grade	2, 3, 4	
Material	Carbon	
Distal connection	Tube clamp	
Proximal connection	Pyramid Adapter	Threaded connector
Knee flexion angle	135 °	
proximal system height to alignment reference point	0 mm	26 mm
Minimum distal system height with AXON 2R20/2R21 Tube Adapter	298 mm/330 mm	
Maximum distal system height with AXON 2R20/2R21 Tube Adapter	514 mm/546 mm	514 mm/546 mm
Weight (without tube adapter)	1,395 g	1,400 g
Max. body weight	150 kg	

AXON Tube Adapter

The tube adapter is supplied in a standard length of 515 mm, and is cut to length by the prosthetist with a pipe cutter.
The correct length of the tube adapter is determined using the X-Soft adjustment software.



≤ 150 kg

Article number	2R20	2R21
Material	Aluminium	
Weight	290 g	530 g
Design	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

60X5 BionicLink PC

Thanks to integrated BluetoothTM technology in the Genium, knee joint settings can be modified wirelessly under realistic conditions.
The 60X5 USB BluetoothTM adapter must be used for the BluetoothTM data transfer between the Genium and X-Soft (4X1) software, since the performance of conventional BluetoothTM 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.

646D225

Article number	60X5
for	Connection to the computer (USB Bluetooth™ adapter)

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

Reference number	4X880		
Material	Plastic/textile		
Weight (protector incl. closure)	450 g		
Weight (cuff)	~ 60 g		
Size (included cuff)	S	M	L
Colour	Champagne		

Prosthetic Foot		Foot Cuff		
Naming	Reference number	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.

4P800 Foot Cuff

The foot cuff is available in the sizes S, M and L.

Order example

Reference number	=	Size (included cuff)
4X880	=	M

Reference number	4P800		
Size (included cuff)	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.

Article number	4X889=1

646D785=EN

Special Editions

646D607=DE/EN
Genium Technology and Function of the Genium

646D612=DE/EN
Biomechanics of the Genium

646D613=DE/EN
Genium Comparative Biomechanical Evaluation

646D614=DE/EN
Going Upstairs with the Genium

646D618=DE/EN
Naturally Ingenious - The Genium in Everyday Use

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

647H466

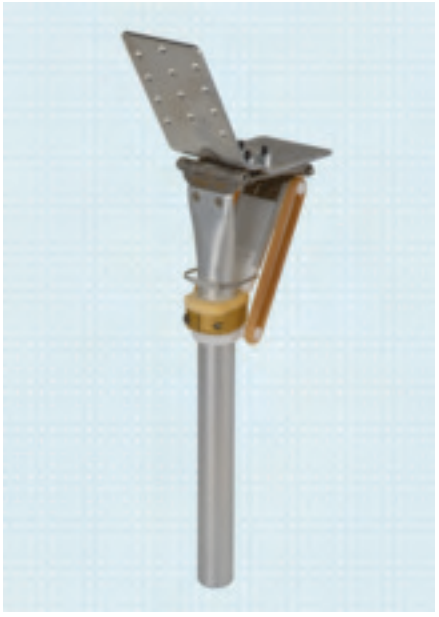
7E5 Modular Monocentric Hip Joint with Lock

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

Reference number	7E5
Mobility grade	1
Material	Aluminum
Distal connection	Tube Ø 30 mm
Proximal connection	Lamination Plate
Side	left (L), right (R)
Min. system height	170 mm
Max. system height	360 mm
Flexion angle	120 °
Weight	890 g
Max. body weight	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.

Article number	7E4
Mobility grade	1 + 2
Material	Aluminum
Distal connection	Tube Ø 30 mm
Proximal connection	Lamination Plate
Min. system height	170 mm
Max. system height	360 mm
Flexion angle	120 °
Weight	940 g
Max. body weight	100 kg

Single Components for 7E5 and 7E4 as Spare Parts

Single components pack

Article number	7D5	7D4
for	7E5	7E4
Consisting of	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
Mobility grade	2 + 3
Material	Titanium
Distal connection	Tube Ø 30 mm
Proximal connection	Lamination Plate
Min. system height	33 mm
Max. system height	360 mm
Flexion angle	140 °
Weight	800 g
Max. body weight	100 kg

647G130

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^{3D} 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
Diameter	30 mm		
Material	Titanium		
System height	34 mm		35 mm
Weight	85 g		100 g
Angling	10 °	20 °	30 °
Max. body weight	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.

Article number	4R32
Consisting of	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

Reference number	7Z53
Material	Aluminum
Max. body weight	100 kg

Single Components for 7E7 as Spare Parts

7D2 Single components pack

Article number	7D2
for	7E7
Consisting of	1 tappet 1 guide sleeve 1 extension assist spring 1 safety plate 1 oval head countersunk screw 1 stop 2 cap screws, M8 thread 1 cap screw, M5 thread 1 lock ring 1 protective sleeve (plastic)

7E9 Monocentric hip joint with hydraulic control unit

A high-performance miniature hydraulic system form 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.

Article number	7E9
Mobility grade	2 + 3
Material	Aluminium
Distal connection	Pyramid Adapter
Proximal connection	Lamination Anchor
System height	81 mm
Flexion angle	130 °
Weight	ca. 695 g
Scope of Delivery	7Z53 Lamination Plate (aluminium, up to 100 kg) 7Z253=1-M10 Lamination Plate (steel, up to 125 kg) Connection Technique (proximal)
Max. body weight	125 kg

Scope of Delivery

7Z53 Lamination Plate

Reference number	**7Z53**
Material	Aluminum
Max. body weight	100 kg

7Z53=1-M10 Lamination Plate

Article number	**7Z53=1-M10**
Material	Steel
Max. body weight	125 kg

Accessories for 7E9

743A29 Reference Determination Tool

Article number	**743A29**

4R52 Tube Clamp Adapter

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

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

647H90

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^{3D} 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
Diameter	30 mm		
Material	Titanium		
System height	34 mm		35 mm
Weight	85 g		100 g
Angling	10 °	20 °	30 °
Max. body weight	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.

647G748

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
Diameter	34 mm		
Material	Titanium		
System height	36 mm	37 mm	38 mm
Weight	140 g	165 g	175 g
Angling	10 °	20 °	30 °
Max. body weight	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

647G258

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

Article number	4R57
Material	Stainless steel
Distal connection	Pyramid Receiver
Proximal connection	Pyramid Adapter
System height	22 mm
Weight	170 g
Rotation	max. 360° (without foam cover)
Max. body weight	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 152).
- The 4R57 cannot be combined with the 2R49, 2R50 or 4R95.

2R30 Light Metal Tube

Article number	2R30
Diameter	30 mm
Max. body weight	up to 100 kg

2R36 Light Metal Tube

Article number	2R36
Diameter	34 mm
for	4R156=* Angled Tube Clamp Adapter
Max. body weight	up to 125 kg

647G387

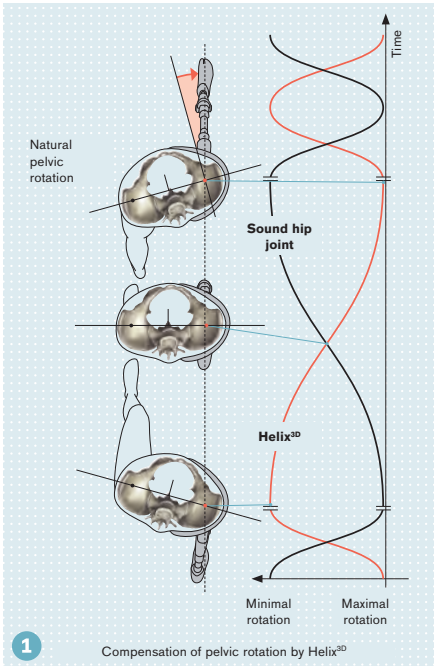
reddot design award
winner 2008

7E10 Helix^{3D} Hip Joint

The Ottobock brand stands for trendsetting innovations in prosthetics.
The Helix^{3D} 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^{3D} Hip Joint has been tested and approved exclusively for combination with the C-Leg and Genium knee joints and the corresponding system components.

Reference number	7E10
Mobility grade	2 + 3
Material	Aluminum
Distal connection	Pyramid Adapter
Proximal connection	Lamination Plate
System height	146 mm
Flexion angle	130 °
Weight	990 g
Max. body weight	100 kg



1 Compensation of pelvic rotation by Helix^{3D}

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

Reference number	**7Z53**
Material	Aluminum
Max. body weight	100 kg

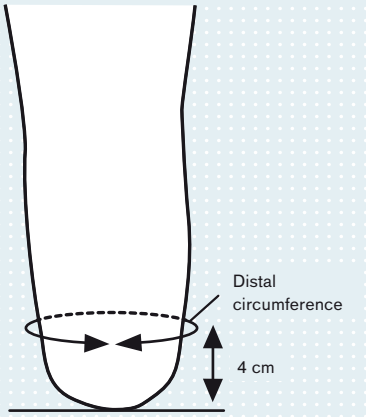
646DV55 Gate training DVD

Article number	**646DV55**

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.

	General Information	Indications	Measuring Example
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 and sealing sleeve or with the Harmony system • 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

6Y77 Skeo 3D

When the ASG (Anatomy-Specific Geometry) technology was being developed, the anatomy of the lower leg was the starting point for optimizing the medical and functional purpose of a liner. The liner features different wall thicknesses. The material is thicker in sensitive areas to provide protection and thinner in other areas for greater flexibility. Furthermore the liner is pre-flexed so the knee bends easily. As there is no excess material to create wrinkles in the hollow of the knee, uncomfortable pressure points are avoided.

SIL

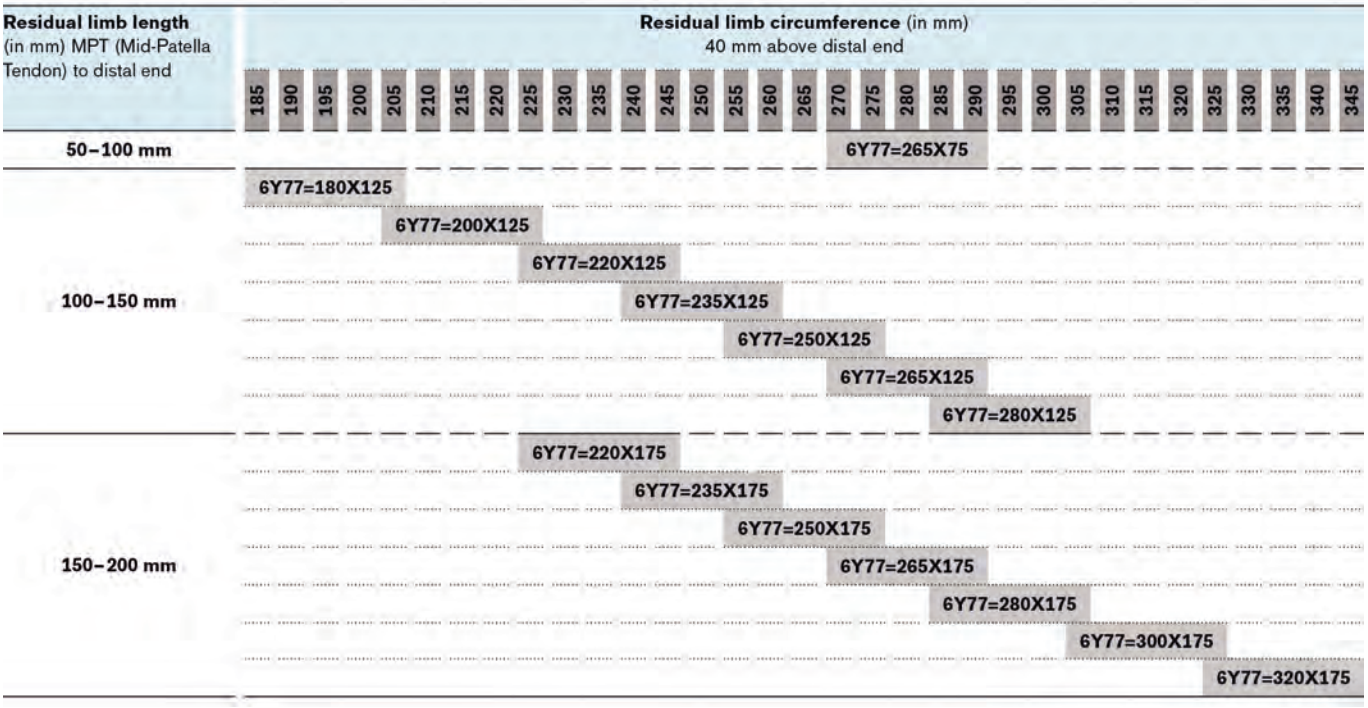
Two measurements are needed to determine the correct size of the liner:

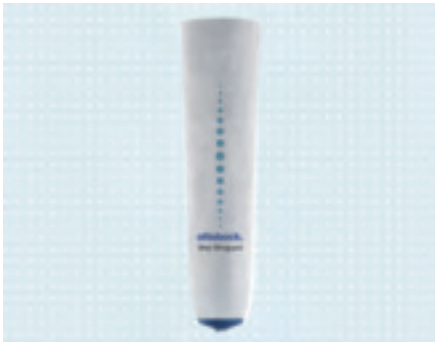
- Measure the length from MPT to the end of the residual limb to determine residual limb length.
- Measure the circumference 40 mm (1 ½″) above end of the residual limb to determine residual limb circumference.
- Select the article number in the table according to the measurements made.

Order example

Referencenumber	=	Residual circumference	x	Residual length
6Y77	=	265	x	75

Reference number	6Y77





SIL

6Y75 / 6Y70 : Skeo Skinguard and Skeo

The 6Y75 Skeo Skinguard contains a new and effective additive. The high-tech functionality of the antibacterial additive protects the liner against bacteria and therefore against unpleasant odours.

The 6Y75 Skeo Skinguard offers:

- Antibacterial additive
- Soft silicone with a silky, skin-friendly interior
- Effective system to reduce distal elongation without affecting circumferential stretching
- Extremely smooth and durable silver textile cover
- Soft distal cap

The innovative 6Y75 liner and the proven 6Y70 are suitable for users with low to moderate activity levels who are looking for a durable but soft silicone material.

Order example

Reference number	=	Size
6Y75	=	280

Reference number	6Y75
Connection	with distal connection, with SkinGuard Technology
Wall thicknesses	from approx. 5 mm distally, tapering to 3 mm proximally
Size (distal circumference)	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

Reference number	6Y70
Connection	with distal connection; without SkinGuard Technology
Wall thicknesses	3 mm (-), tapering from approx. 5 mm distal to 3 mm proximal 6 mm (6), 6 mm uniform
Size (distal circumference)	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".

SIL

6Y42 Skeo

The 6Y42 Skeo is a durable, thin-walled silicone liner with a distal connection. It also features a textile coating, making the liner easy to put on and take off without using a donning spray.

Longitudinal stretching and pistoning are minimised thanks to the integrated distal matrix (10 cm). This protects the sensitive residual limb ends.

The 6Y42 Skeo is suitable for users with a low to moderate activity level and good soft tissue coverage on their residual limb.

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

6Y43 Skeo Pure

The 643 Skeo Pure liners are transparent for easy monitoring of fit and skin condition, while offering an ideal foundation for extended, comfortable wear. A silky smooth outside coating makes the liner easy to don and doff as well as easy to clean and quick to dry. The special coating instead of a textile cover makes the liner more stretchable for the user. It is also easy to cut or trim for better fit.

SIL

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.

ProSeal System

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.

SIL

Order example

Reference number	=	Size
6Y81	=	300

Reference number	6Y81
Connection	without distal connection
Wall thicknesses	3 mm
Size (distal circumference)	280 mm, 300 mm, 320 mm, 340 mm, 360 mm, 380 mm, 400 mm, 420 mm, 450 mm, 500 mm, 550 mm

647G597

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

6Y85 / 6Y80 : Skeo Skinguard and Skeo

The 6Y85 Skeo Skinguard contains a new and effective additive. The high-tech functionality of the antibacterial additive protects the liner against bacteria and therefore against unpleasant odours.

Thanks to its high transverse elasticity, the liner adapts to the shape of the residual limb. The integrated, interior textile matrix prevents elongation and pistoning for superior safety and control. Circumferential stretching is not affected.

The new, silky and skin-friendly interior effectively reduces friction between the liner and skin – especially in the area of the perineum.

The 6Y85 and 6Y80 liners are suitable for transfemoral amputees with a low to moderate activity level.

SIL

Order example

Reference number	=	Size
6Y85	=	300

Reference number	6Y85
Connection	with distal connection, with SkinGuard Technology
Wall thicknesses	from approx. 4.5 mm distally, tapering to 2.5 mm proximally
Size (distal circumference)	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

Reference number	6Y80
Connection	with distal connection, without SkinGuard Technology
Wall thicknesses	from approx. 4.5 mm distally, tapering to 2.5 mm proximally
Size (distal circumference)	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".

PUR

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 SkinGuardTechnology.

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)
6Y512	=	210	x	175	(-F)(-G)

Reference number	6Y512

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)
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
	6Y512=300x125 (-F)(-G)	380–440
150–200	6Y512=210x175 (-F)(-G)	290–340
	6Y512=235x175 (-F)(-G)	305–370
	6Y512=265x175 (-F)(-G)	330–390
	6Y512=280x175 (-F)(-G)	360–430
	6Y512=300x175 (-F)(-G)	380–440

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.

PUR

Order example

Reference number	=	Size	-	(with SkinGuard® Technology)
6Y522	=	190	-	(G)

Reference number	6Y522	
Connection	without distal connection	
Wall thicknesses	6 mm wall thickness up to 10 cm distal, tapering to 3 mm wall thickness proximal	
Size (distal circumference)	190 mm, 210 mm, 230 mm, 250 mm, 290 mm, 310 mm	
Textile cover	without textile cover (-)	with SkinGuard Technology (-G)

Reference number	6Y523	
Connection	without distal connection	
Wall thicknesses	6 mm wall thickness up to 10 cm distal, tapering to 3 mm wall thickness proximal	
Size (distal circumference)	190 mm, 210 mm, 230 mm, 250 mm, 290 mm, 310 mm	
Textile cover	light blue	with SkinGuard Technology (-G)

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.

PUR

Order example

Reference number	=	Size
6Y540	=	305

Reference number	6Y540
Connection	without distal connection
Wall thicknesses	from approx. 5 mm distally, tapering to 3 mm proximally
Size (distal circumference)	203 mm, 254 mm, 305 mm, 355 mm, 405 mm, 457 mm, 508 mm

TPE

6Y93=C6 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.

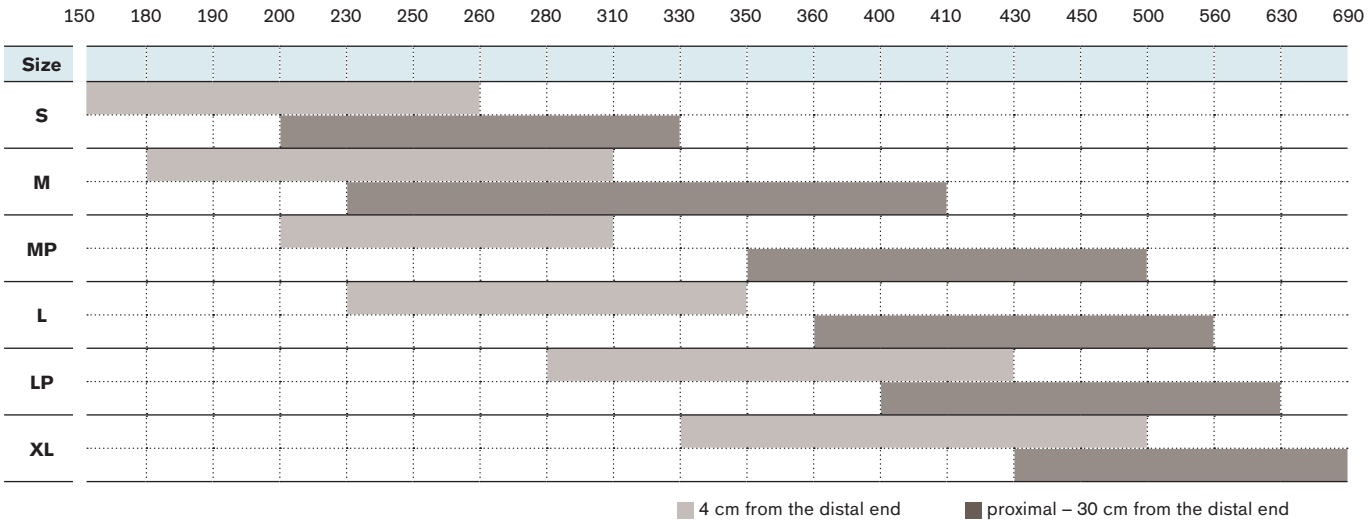
Order example

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	

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.

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
Connection	without distal connection	with distal connection and 10 cm distal matrix
Distal cap	without distal cap	with distal cap
Wall thicknesses	10 mm thick distal cushion pad; wall thickness tapering from 5.5 mm to 2.5 mm proximal	
Size (distal circumference)	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.

PUR

Custom Polyurethane (PUR) Liners

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

Article number	6Y400

6Y414 Harmony Custom Liner (PUR)

Harmony custom liner (PUR) – offers the best liner properties for the Harmony system. Fabricated according to a plaster cast.

Article number	6Y414

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.

Article number	6Y416

PUR

6Y430 PUR Custom Liner for transfemoral fittings

Fabricated according to a plaster cast or submitted check socket.

Article number	6Y430

SIL

Custom Silicone (SIL) Liners

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

Article number	**6Y70=M**
Connection	with distal connection

6Y80=M TF Adapt Custom Silicone Liner

Article number	**6Y80=M**
Connection	with distal connection, without SkinGuard Technology

88L Custom Silicone Liner from a plaster cast

Article number	**88L**

6Y81=M-2 ProSeal Custom SIL Liner

Article number	**6Y81=M-2**
Connection	without distal connection (without blind cap)

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

Article number	453H12	453H12=1
Order by	6 bottles	1 bottle
Packaging	Package of 6	1 pc
Contents	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

Article number	453H10	453H10=1
Order by	6 bottles	1 bottle
Contents	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

Article number	453H14	453H14=1
Order by	6 bottles	1 bottle
Contents	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.

Article number	453H30=GB

646M453 Derma Trial Set

One small trial bottle each of Derma Clean, Derma Prevent and Derma Repair.

Article number	646M453

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.

Article number	**719S20**
To be used for	

756L10 Liner Trimmer

For trimming and bevelling the proximal end of gel liners in one process step. The liner trimmer leaves a smooth edge.

Article number	**756L10**
To be used for	

640F18 Donning Spray for Silicone Liners

Article number	**640F18**	**640F18=900**
Contents	45 ml	900 ml

Simply Practical: Functionality

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.

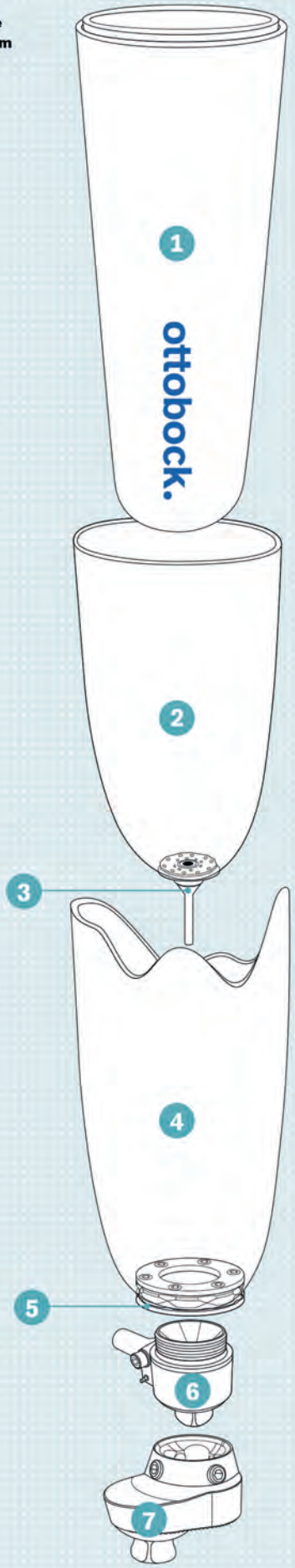
Step 2: The user folds the vacuum flap integrated in the liner over the edge of the inner socket, creating an airtight seal. Air remaining in the inner socket is pushed out through the valve in the pin integrated in the inner socket.

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.

Structure of the AeroLink System



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)

6Y100 Aerolink Hybrit 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 linermaterials 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 ensure 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 isparticularly 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	Lenght
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.

Article number	**6A53/6A54**
Displacement	
Max. body weight	125 kg

646D707

4R152 Harmony E2

The quietest electronic pump on the market, the Harmony E2 offers high vacuum levels, resistance to dust and sweat, and submersibilty 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)

≤ 150 kg

Article number	Harmony E2	4-Loch-Adpaterplatte
Material	-	Aluminium
System height	95 mm	22 mm
Weight	185 g	125 g
Max. body weight	-	150 kg
Operating temperature	-10 to +60 °C	-
Operating voltage	100 - 240 V *	-
Power supply operating frequency	50 -60 Hz	-
Charging temperature	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							

Service Parts

4X147 Functional Ring for Harmony P3

Article number	Consisting of	Body weight	Functional ring stiffness
4X147=0	Functional ring incl. 2 valves, 2 O-rings, washer and lubricant	40 - 47 kg	0
4X147=1	Functional ring incl. 2 valves, 2 O-rings, washer and lubricant	48 - 55 kg	1
4X147=2	Functional ring incl. 2 valves, 2 O-rings, washer and lubricant	56 - 65 kg	2
4X147=3	Functional ring incl. 2 valves, 2 O-rings, washer and lubricant	66 - 75 kg	3
4X147=4	Functional ring incl. 2 valves, 2 O-rings, washer and lubricant	76 - 87 kg	4
4X147=5	Functional ring incl. 2 valves, 2 O-rings, washer and lubricant	88 - 100 kg	5
4X147=6	Functional ring incl. 2 valves, 2 O-rings, washer and lubricant	101 - 112 kg	6
4X147=7	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 94-95.

4X148 Harmony P3 Service Set

Article number	4X148
Scope of Delivery	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.

≤ 150 kg

Article number	4R150
Mobility grade	2 - 4
Material	Aluminum, Steel
Distal connection	Pyramid Receiver
Proximal connection	4-hole connection
System height	135 (incl. 4R54, not illustrated) mm
Weight	640 g
Max. body weight	150 kg

Certification is required to fit the Harmony system.

755E20=230 Harmony Vacuum Pump Set

The Harmony vacuum pump set is used for the fabrication of the plaster cast in vacuum technique

Article number	**755E20=230**

consisting of

683G1=10 Latex Casting Bags

For fabrication of the plaster cast in vacuum technique.

Article number	**683G1=10**
Size	Set with 1 each, small, medium and large

755Z19=230 Vacuum Pump

Completely equipped with a fine regulating valve, a vacuum gauge and a silencer.

Article number	**755Z19=230**
Final vacuum	absolute 240 mbar
Delivery rate	11.5 l/min
Dimensions LxWxH	187/157/90 mm
Electrical connection in V/Hz/kW	230/50/0.065
Weight	2.5 kg
Colour (RAL)	9002 grey-white

Always use vacuum pump in conjunction with 755Z20=2 Filter.

625P1=1.0 Fuse Link, slow-blowing

as replacement fuse

Article number	**625P1=1.0**

616R2=10X2 PVC Suction Hose

transparent

Article number	**616R2=10X2**
Outside Ø	10 mm
for	
Weight	0.06 kg/m

755Y16=1/4“X6 Threaded Hose Nozzle

Brass, for hose connection, 6mm, thread R1/4", spanner size 17

Article number	**755Y16=1/4“X6**

683G1=1 Water Trap

Article number	**683G1=1**

683G1=5 Exhaust Tubing

Article number	683G1=5

755Z20=2 Filter

Article number	755Z20=2
Weight	0.015 kg

662F2 Bag

Article number	662F2
for	755E20=230

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 × 616S134=1 Spot 1 × 616S134=2 Spot 2 × 451F21=M Nylon Protective Sleeve 1 × 646C121 Harmony Fit Kit Video 1 × 451F18=2 Half Cotton Sock/medium 1 × 451F19=2 Half Cotton Sock/large 1 × 451F18=1 Cotton Sock/medium 1 × 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).

Article number	453H1=1

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.

Article number	2R119

2R117 Socket Connector

Alternative, slim socket connector (connection between the socket and Harmony pump) with low structural height and rounded edges.

Article number	2R117

- For use with SL=P091 PU Adhesive.

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

453A3 Derma ProFlex Sealing Sleeve

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.

Article number	453A3=1	453A3=2	453A3=3
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

Thigh length from MPT to proximal brim approx. 26 cm

453A4 Derma ProFlex Sealing Sleeve, short

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.

Article number	453A4=1	453A4=2	453A4=3
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

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

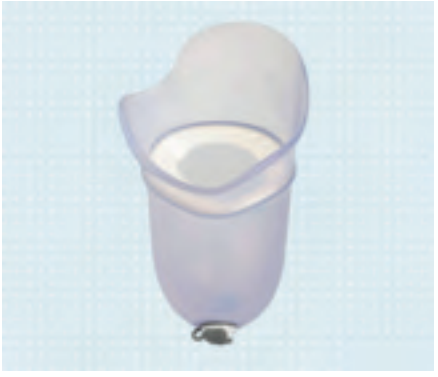
452A1 ProSeal Ring

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



647G597

646A230=GB

21B37 Thigh Support Bandage

With Neoprene® adhesive strip

Order example

Reference number	=	side	size
454A7	=	L	1

Reference number	21B37				
Side	left (L), right (R)				
Size	S	M	L	XL	XXL
for hip circumference	60 – 74	66 – 80	76 – 90	86 – 100	96 – 110
Colour	beige				

Neopren® is a registered trademark of DuPont.

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).

6A20=10 Shuttle Lock with Pyramid Adapter

Serrated pin

- Coartier aluminium housing
- Easy to unlock ratchet unit, even under tensile load
- Continuously variable locking mechanism for secure support
- Adjustable: engages silently or audibly

647H218

Article number	6A20=10
Distal connection	Pyramid Adapter
System height	25 mm
Max. body weight	125 kg

Enclosed: lamination anchor for integration into the laminate.

6A20=20 Shuttle lock with adjustment screw

Serrated pin

- Especially well suited for transtibial prostheses on long residual limbs or transfemoral prostheses
- Coartier 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

647H218

Article number	6A20=20
Distal connection	Adjustment Screw
System height	79 mm
Max. body weight	125 kg

Enclosed: lamination anchor for integration into the laminate.

647H328

6A20=30 Shuttle Lock with Pyramid Adapter

Smooth pin

- Coartier aluminium housing
- Easy donning and doffing of the prosthesis
- Continuously variable locking mechanism for secure support

Article number	**6A20=30**
Distal connection	Pyramid Adapter
Max. body weight	100 kg

Enclosed: lamination anchor for integration into the laminate.

647G415

6A30=10 Shuttle Lock

Serrated pin

- Coartier aluminium housing
- Easy to unlock ratchet unit, even under tensile load
- Continuously variable locking mechanism for secure support
- Adjustable: engages silently or audibly

Article number	**6A30=10**

647H483

6A30=20 Shuttle Lock

Waterproof and corrosion-resistant

- Serrated pin
- Lightweight plastic housing, therefore suitable for use in bathing prostheses
- Easy to unlock ratchet unit, even under tensile load
- Continuously variable locking mechanism for secure support
- Adjustable: engages silently or audibly

Article number	**6A30=20**

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 supplied valve the fitting can be converted to a vacuum system quickly and easily
- The optional slider plate makes it easier to optimise the prosthesis settings

Area of application:

- Transfemoral and transtibial amputation
- Check sockets and definitive fittings

647G931

Article number	6A40
Distal connection	4-hole
System height	25 mm
Max. body weight	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.

Article number	6A42

The valve is included in the scope of delivery for the 6A40 MagnoFlex Lock.

6A41 Slider Plate for MagnoFlex Lock

Area of application

- Transfemoral and transtibial amputation
- Check sockets and definitive fittings

Article number	6A41
Displacement	Slide travel 12mm and 24mm
Max. body weight	125 kg

6A43 MagnoFlex Lock Socket Attachment Block

Area of application:

- Transfemoral and transtibial amputation
- Check sockets and definitive fittings

Article number	6A43
for	6A40
Max. body weight	125 kg

6Y13=F1 Flexible Pin for MagnoFlex Lock

Article number	6Y13=F1
Length	47.8 mm
for	6A40

Accessories

6Y13=1 Pin

Article number	6Y13=1
Length	49.5 mm
for	6A20=10, 6A30=10, 6A30=20

6Y13=2 Pin, short

Article number	6Y13=2
Length	31 mm
for	6A20=20

6Y13=3 Pin, smooth

Article number	6Y13=3
Length	48 mm
for	6A20=30

6Y13=L1 Pin, long

Article number	6Y13=L1
Length	68.7 mm
for	6A20=10, 6A30=10, 6A30=20

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

Article number	5R2
Material	Aluminum
System height	9 mm
Weight	70 g
Max. body weight	150 kg

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

647G179

Single Components as Replacement Parts

Article number	6A20=10	6A20=20	6A20=30	6A30=10	6A30=20	6A40
4R111=N Lamination Anchor with Threaded Connector	■	■	■			
5X55 Dummy Set with Screw	■	■	■			
5X67 Push Button			■			
5X108 Dummy Set					■	
5X120 Shuttle Housing with Bushing					■	
5X125 Dummy Set				■		
5X440 Lamination Protection for Pin	■	■	■	■	■	
6A43 MagnoFlex Lock Socket Attachment Block						■
6A51=10 Shuttle Lock Housing with Pyramid Adapter	■					
6A51=20 Shuttle Lock Housing with adjustment screw		■				
6A51=30 Shuttle Lock Housing with Pyramid Adapter			■			
6A52 Ratchet Unit	■	■		■		
6A52=30 Release Button			■			
6A52=K Ratchet Unit					■	■
6A61 Push Button for 6A52	■	■		■	■	
6Y13=1 Pin	■			■	■	
6Y13=2 Pin, short	■	■		■	■	
6Y13=3 Pin, smooth			■			
6Y13=F1 Flexible Pin for MagnoFlex Lock						■
6Y13=F2 Pin, Flexible, Short for MagnoFlex Lock						■
6Y13=L1 Pin, long	■			■	■	
506G21=M4x10 Set Screw					■	

■ can be ordered individually

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

Article number	4R160=1

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

Article number	4R160=2
Max. body weight	150 kg (330 lbs)

646D336 647H529

Accessories

4R161 Lamination Set

The 4R161 Lamination Set is intended for endoskeletal fabrication in combination with the 4R160=2 4-Hole Endoskeletal KISS Kit.

Article number	4R161

4X225 Reinforcement Strips

The 4X225 Reinforcement Strips prevent the sock from fraying after punching the hole.

Article number	4X225

Spare Parts

4R163 KISS Delrin Base

Article number	4R163

4R164 KISS 4-Hole Base

Article number	4R164

4R165 KISS Distal Straps (2 pcs)

Article number	4R165

4R166 KISS Proximal Straps (2 pcs)

Article number	4R166

4R167 KISS Proximal Nut and Screw (set)

Article number	4R167

Threadless Valves

21Y21 ClickValve

(with safety shackle in grey)

The ClickValve features a multi-option 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
- Multi-option 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

Reference number	**21Y21**
Area of application	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

Reference number	**21Y14**
Area of application	Transfemoral amputation

21Y15 MagValve

The MagValve has a low structural height and is closed with magnetic force.

647H530

Reference number	**21Y15**
Area of application	Upper and Lower Limbs

Accessories/Spare Parts

21Y230=0 ClickValve Safety Leash, skin colour

Article number	**21Y230=0**

21Y230=1 ClickValve Safety Leash, grey

Article number	**21Y230=1**

21Y21 ClickValve Base

Article number	**21Y21**

627F13=24.5X3 O-Ring for ClickValve, black

Article number	**627F13=24.5X3**

627F13=19x2 O-Ring for ClickValve Upper Valve Part, blue

Article number	**627F13=19x2**

21Y14=S PushValve Upper Section

Article number	**21Y14=S**

21Y15=S MagValve Upper Section

Article number	**21Y15=S**

Threaded Valve Set

21Y12 Threaded Valve Set

Article number	21Y12
Area of application	Transfemoral amputation

Service part

21Y222 Two hole pin wrench for 21Y14, 21Y15, 21Y12 and 21Y21

already included in 21Y12, 21Y14, 21Y15 and 21Y21

Article number	21Y222

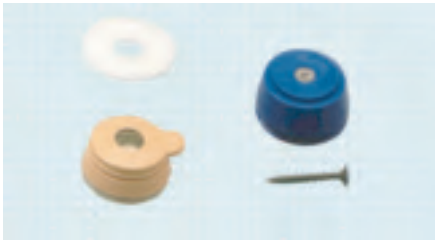
Flat Valve Sets

21Y96 Valve Set

Article number	21Y96
Outside Ø	40 mm
for	Interim socket
Consisting of	Flat rubber valve, insert ring, O-ring, fixing ring, plastic screw disc
for hole Ø	24 mm
Substance of content	contains nickel

21Y97 Valve Set

Article number	21Y97
Outside Ø	40 mm
for	flexible residual limb socket
Consisting of	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
for hole Ø	24 mm
Substance of content	contains nickel



21Y105 Valve Set

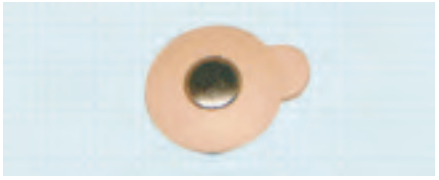
Article number	21Y105
Outside Ø	40 mm
for	flexible residual limb socket
Consisting of	Flat rubber valve, insert ring, lamination ring, sealing ring, vacuum forming pattern, casting pattern, screw, flat head screw and plastic screw disc
for hole Ø	24 mm
Substance of content	contains nickel

21Y81 Screw Valve

with automatic air outlet, plastic

Article number	21Y81
Outside Ø	40 mm
for hole Ø	24 mm

Valves



21Y140 Flat Silicone Valve

with thumb flap, without seat ring

Article number	21Y140
Seat ring outside Ø	40 mm
for hole Ø	24 mm
Substance of content	contains nickel

21Y123=40 21Y123 Flat Rubber Valve

Article number	21Y123=40
for	for contact socket, with thumb flap, without seat ring
Seat ring outside Ø	40 mm
for hole Ø	24 mm
Substance of content	contains nickel

21Y94 Flat Rubber Valve

Article number	21Y94
for	for contact socket, with 50 mm socket attachment, thumb flap and seat ring
Seat ring outside Ø	40 mm
for hole Ø	24 mm
Substance of content	contains nickel

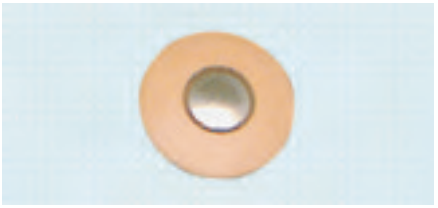
21Y95 Flat Rubber Valve

with automatic air outlet, with seat ring

Article number	21Y95
Seat ring outside Ø	40 mm
for hole Ø	24 mm
Substance of content	contains nickel

21Y45 Flat Rubber Valve, small

without seat ring



Article number	21Y45
Seat ring outside Ø	32 mm
for hole Ø	20 mm
Substance of content	contains nickel

21Y41 Seat Ring

Article number	21Y41=32	21Y41=40
Outside Ø	32 mm	40 mm
for	flat rubber valves	
for hole Ø	20 mm	24 mm

21Y77 Connecting tube with seat ring

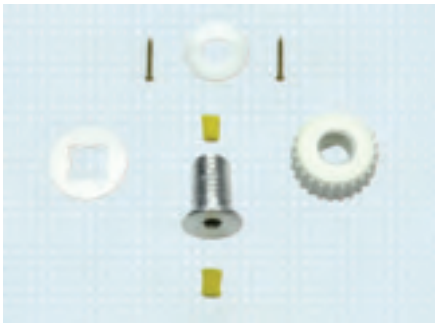
Article number	21Y77
Outside Ø	28 mm
for	For valves with 40 mm outside Ø
Tube inside Ø	24 mm

99B13 PVC Connection Tube

as a connection channel between the inner and outer socket

Article number	99B13=16	99B13=16-7	99B13=21	99B13=21-7
Ø	16 mm		21 mm	
Colour	skin colour	black	skin colour	black

Transtibial Valve Socket System

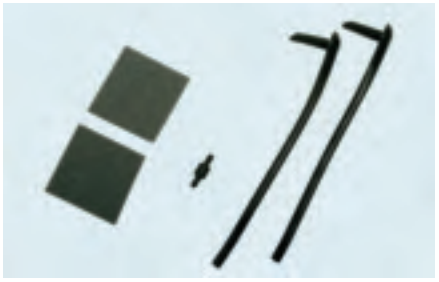


647G148

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.

Article number	4R140



647G529

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.

Article number	4R136=EL

Spare Parts

4R142 V4 Valve, straight

Article number	**4R142**
Material	Aluminum
Scope of Delivery	5 pcs

4R138 V5 Valve, straight

Reference number	**4R138**
Scope of Delivery	1 pc

Derma Seal Residual Limb Socks

Wearing a prosthesis or orthosis often applies intense loads to areas of the skin that nature did not intend to be stressed. This can lead to pain from excessive pressure or friction, to perspiration build-up and similar problems. The Derma range of products can help you successfully prevent or reduce excessive strain on the skin.
The Derma Seal residual limb socks are the ideal solution for transtibial amputees. The socks are coated with a special polymer gel.
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
Sock length	30 cm	40 cm	40 cm	45 cm	45 cm	50 cm	50 cm	50 cm
Gel length	20 cm	25 cm	25 cm	33 cm	25 cm	33 cm	33 cm	33 cm
Distal circumference	16-22 cm	18-26 cm	20-31 cm	20-31 cm	23-35 cm	23-35 cm	27-40 cm	30-48 cm
Proximal circumference	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.

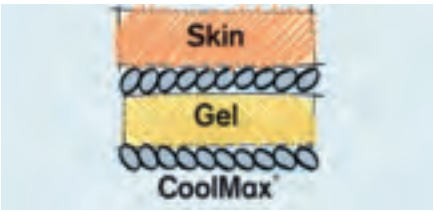
647H106

Article number	453D4=1	453D4=2	453D4=3	453D4=10	453D4=20
Sock length	30 cm	30	40 cm	65 cm	75 cm
Gel length	25 cm	25 cm	30 cm	25 cm	30 cm
Distal circumference	15 – 22 cm	20 – 26 cm	20 – 26 cm	15 – 22 cm	20 – 26 cm
Proximal circumference	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.

Article number	453D2=N	453D2=XL
Size	standard	extra long
Sock length	22 cm	50 cm

647H107

Lycra® is a registered trademark of DuPont.

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
Material	85% cotton, 15% polyamide								
Length	20 cm	25 cm	30 cm	35 cm	40 cm	45 cm	50 cm	60 cm	80 cm
Colour brim	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
Material	80% cotton, 17% polyamide, 3% Lycra®							
Length	20 cm	25 cm	30 cm	35 cm	40 cm	45 cm	50 cm	60 cm
Colour brim	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
Material	90% polyamide, 10% Lycra®			
Length	30 cm	40 cm	30 cm	40 cm
Amputation level	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
Material	85% cotton, 15% Lycra®			
Length	30 cm	40 cm	30 cm	40 cm
Amputation level	transtibial (11)		transfemoral (20)	

451F21 Nylon Protective Sleeve

transtibial fittings,
proximal double seam

Article number	451F21=S	451F21=M	451F21=L
Size	S	M	L
Length	25.5 cm	33 cm	40.5
Proximal circumference	20 cm	22 cm	23 cm

451U9 Nylon Protective Sleeve

Transtibial fitting

Article number	451U9=25	451U9=35	451U9=45	451U9=60	451U9=65
Length	25 cm	35 cm	45 cm	60 cm	65 cm
Width of coarse seam	17 cm				
for circumferences below the knee	up to 35 cm				
Shape	D				

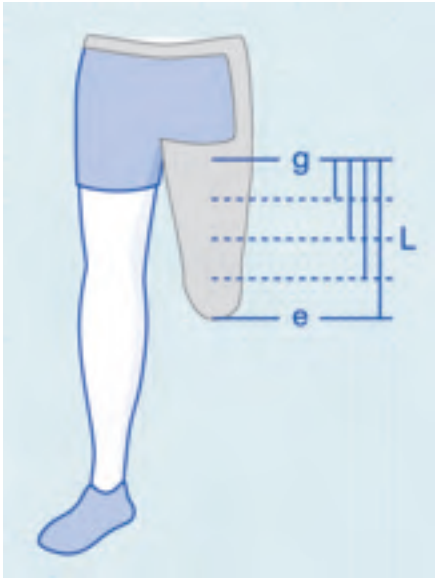
451U1 Woolen Residual Limb Sock

Transtibial fitting

Article number	451U1=35	451U1=45	451U1=60
Material	70% new wool, 30% rayon		
Length	35 cm	45 cm	60 cm
Colour brim	royal blue	black	pink

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

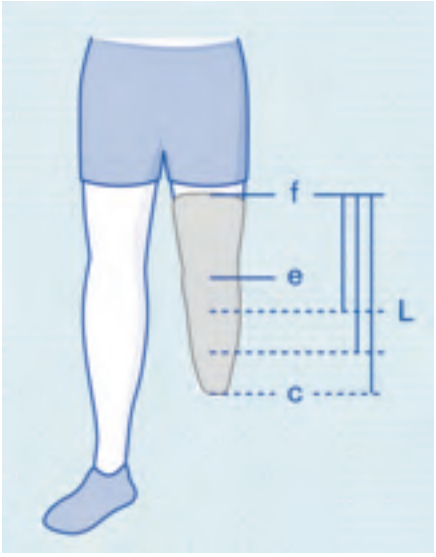
Order example

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

Reference number	=	Size	-	Length	-	N
451F13	=	XS	-	30	-	N

Reference number	451F13					
Size	XS	S	M	L	XL	XXL
compression class	KKL1					
Lengths (L) g-e	30 cm, 38 cm, 46 cm					
Circumference f	39 – 41 cm	41 – 44 cm	44 – 47 cm	47 – 50 cm	50 – 53 cm	60 – 64 cm
Circumference e	29 – 31 cm	31 – 34 cm	34 – 37 cm	37 – 40 cm	40 – 43 cm	43 – 46 cm
Circumference c	27 – 29 cm	29 – 32 cm	32 – 35 cm	35 – 38 cm	38 – 41 cm	41 – 44 cm

Transtibial fitting

Order example

Reference number	=	Size	-	Length	-	N
451F10	=	XS	-	30	-	N

Reference number	451F10					
Size	XS	S	M	L	XL	XXL
compression class	KKL2					
Lengths (L) g-e	30 cm, 38 cm, 46 cm					
Circumference f	39 – 41 cm	41 – 44 cm	44 – 47 cm	47 – 50 cm	50 – 53 cm	60 – 64 cm
Circumference e	29 – 31 cm	31 – 34 cm	34 – 37 cm	37 – 40 cm	40 – 43 cm	43 – 46 cm
Circumference c	27 – 29 cm	29 – 32 cm	32 – 35 cm	35 – 38 cm	38 – 41 cm	41 – 44 cm

Air Contact System by Pohlig

The Air Contact System (ACS) was designed in cooperation with Kurt Pohlig for flexible transfemoral sockets. The ACS is recommended for accommodating variations in the volume of the residual limb or a patient's varying needs for increased socket adhesion. Air chambers come in a variety of sizes and are positioned between the flexible residual limb socket and the outer socket. The amputee can inflate or deflate the chambers to compensate for volume changes as needed. The distal air chamber allows for adjustment of the load on the end of the residual limb. The ACS by Pohlig is recommended for all age groups and for those engaged in sports.

646T2=3.7D (Technician)
646D33 (Patient)

5D1 Three-Way Valve

With mounted ball pump, complete with polyurethane hoses, mounting screw with setting nut and cover cap

Article number	5D1

5S1 Lateral Air Chamber

with pad dummy and solid round hose spacer

Article number	5S1=140X60	5S1=170X60	5S1=80X60	5S1=95X80
for	lateral side	lateral side	lateral/medial side	medial side

5S2 Distal Air Chamber

with metal and plastic coupling, PE cap, 5F1 Terry Cloth Cover, vacuum forming dummy, solid round hose spacer and plug

Article number	5S2

Accessories

634A61 ACS Cold Weld Material

Bottle with 35 g net contents

Article number	634A61

616R11=3.2X1.6X500 PU Hose

Article number	616R11=3.2X1.6X500

5F1 Terry Cloth Covers

Package of 10

Article number	5F1

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
Distal circumference	200 mm	270 mm	300 mm
Proximal circumference	390 mm	425 mm	485 mm
Height	420 mm	420 mm	420 mm
Thickness	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
Distal circumference	36 – 42 cm	28 – 36 cm
Proximal circumference	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.

Article number	**633S2**
Net contents	250 ml

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.

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								■	■	■

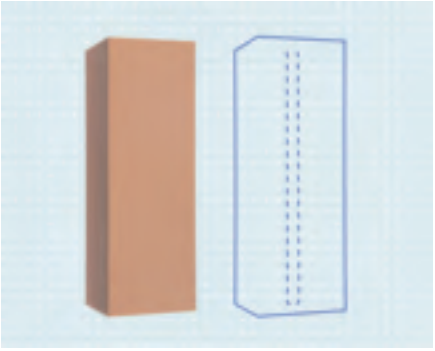
◩ The respective knee joints are intended for knee disarticulation fittings, which are usually cosmetically finished with the 6R6 Lower Leg Prosthetic Cover. If required, the exterior finish can also be realised with the 3R6 or 3S107 Thigh Cosmetic Cover.

* 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

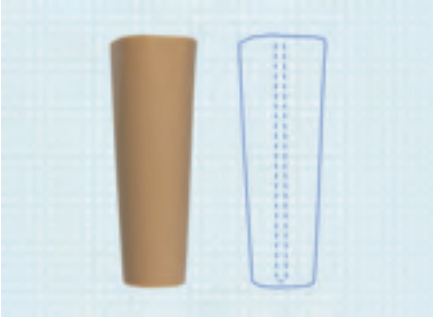
6R18 Foam Cover

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.

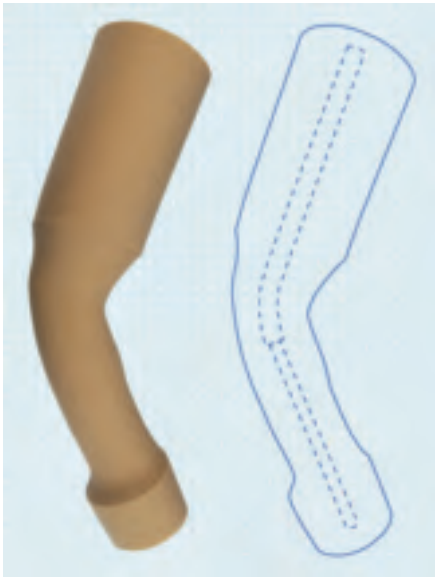


Article number	6R6
for tube diameter	30 and 34 cm
Material	PUR flexible foam
Length	approx. 55 cm
for knee joints	3R21, 3R23, 3R30, 3R32, 3R46, 3R60=KD, 3R60-PRO=KD, 3R106=KD
Colour	beige

- 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.



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
3R6	=	L	36

Reference number	3R6
Material	PUR flexible foam
Calf circumference	36 cm, 40 cm, 44 cm
Knee flexion	30 °
Side	left (L), right (R)
Length	approx. 94 cm
for knee joints	3R15, 3R49, 3R55, 3R21, 3R23, 3R30, 3R32, 3R46, 3R78
Colour	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
3S106	=	L	44

Reference number	3S106
Material	PUR flexible foam
Calf circumference	36 cm, 40 cm, 44 cm
Knee flexion	35 °
Side	left (L), right (R)
Length	approx. 94 cm
for knee joints	3R15, 3R49, 3R55, 3R78, 3R93
Colour	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

Reference number	3R24
Material	PUR flexible foam
Calf circumference	36 cm, 40 cm, 44 cm
Knee flexion	30 °
Side	left (L), right (R)
Length	approx. 94 cm
for knee joints	3R17, 3R20, 3R22, 3R33, 3R34, 3R36, 3R40, 3R95, 3R95=1
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.

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
3S124	=	L	40

Reference number	3S124
Material	PUR flexible foam
Calf circumference	36 cm, 40 cm, 44 cm
Knee flexion	35 °
Side	left (L), right (R)
Length	approx. 94 cm
for knee joints	3R17, 3R20, 3R22, 3R33, 3R34, 3R36, 3R40, 3R95, 3R95=1
Colour	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

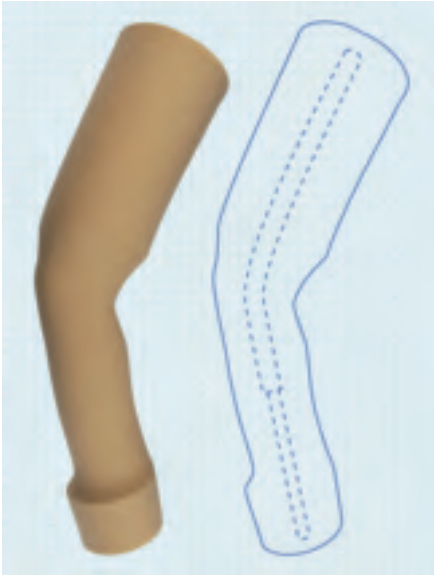
Reference number	=	Side	Calf circumference
3S107	=	R	40

Reference number	3S107
Material	PUR flexible foam
Calf circumference	40 cm, 44 cm
Knee flexion	35 °
Side	left (L), right (R)
Length	approx. 94 cm
for knee joints	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
Colour	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

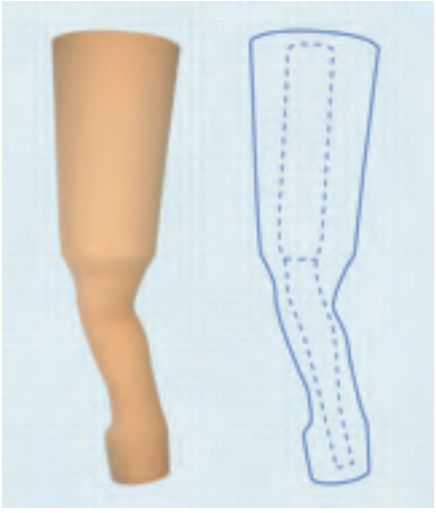
Reference number	=	Side	Calf circumference
3S26	=	R	44

Reference number	3S26
Material	PUR flexible foam
Calf circumference	44 cm
Knee flexion	30 °
Side	left (L), right (R)
Length	approx. 94 cm
for knee joints	3C88-2, 3C98-2, 3C86-1, 3C96-1
Colour	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
3S27	=	R	44

Reference number	3S27
Material	PUR flexible foam
Calf circumference	44 cm
Knee flexion	20 °
Side	left (L), right (R)
Length	approx. 110 cm
for	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^{3D} Hip Joint with 3C98-1 C-Leg Knee Joint
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.

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
Design	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 277.
- 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
Design	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 277.
- 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.

Danger

646A230=GB

646T7=4.8D

Order example

Reference number	=	Net contents	-	Colour
635C1	=	0.5	-	14

Colour	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)**
brown (14)	0.25-14	0.5-14	1-14	2.5-14	-
skin colour (1)	-	-	1-1	2.5-1	5-1
dark brown (18)	-	-	1-18	2.5-18	-
pure white (9010)	-	-	1-9010	2.5-9010	-
gold (1050)	-	-	1-1050	-	-
bright yellow (1026)	-	-	-	2.5-1026	-
purple red (3004)	-	-	-	2.5-3004	-
traffic red (3020)	-	-	-	2.5-3020	-
signal violet (4008)	-	-	-	2.5-4008	-
gentian blue (5010)	-	-	-	2.5-5010	-
pastel turquoise (6034)	-	-	-	2.5-6034	-
light grey (7035)	-	-	-	2.5-7035	-
black (9011)	-	-	-	2.5-9011	-

- Recommended target values:
  For a transtibial foam cover 150 g
  For a transfemoral foam cover 300 g


Danger

646T7=4.8D

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.

646T7=4.8D

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
1
:
635C2A SuperSkin for non-PUR products
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.

Article number	635C3=0.5	635C3=1
Colour	white	
Net contents	0.45 kg (0.5)	0.9 kg (1)

646T7=4.8D

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.

Article number	636W58
Colour	transparent
Net contents	0.65 kg

646T7=4.8D

Practical recommendation:
Please apply thinly.

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.

Article number	634A80=1	634A80=2.5
Net contents	0.75 kg (1)	1.9 kg (2.5)

646T7=4.8D

Practical recommendation:
Do not use as thinner.

Evazote® and Plastazote® are registered trademarks of Zotefoams.


Danger

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.

Article number	**635Z56**
Colour	skin colour
Net contents	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.

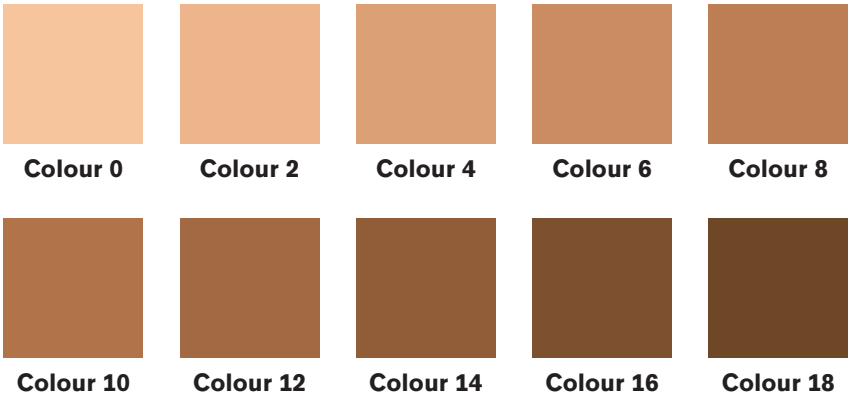
647H267

Order example

Reference number	=	Size	-	Colour
99B116	=	2	-	12

Reference number	99B116		
Size	2	4	6
Ankle circumference	19 – 21 cm	22 – 25 cm	26 – 29 cm
Calf circumference	30 – 33 cm	34 – 39 cm	40 – 45 cm
Foot length	≥ 21 cm	≥ 23 cm	≥ 25 cm
Colour	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.



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		
Size	1	2	3
Length	~ 38.5 cm	~ 40.5 cm	~ 44.5 cm
Foot length	~ 17.5 cm	~ 18.5 cm	~ 19 cm
Ankle (1/2)	~ 9 cm	~ 9.2 cm	~ 9.25 cm
Cuff (1/2)	~ 11.5 cm		
Colour	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				
Size	0	1	2	3	4
Length	~ 59 cm	~ 61.5 cm	~ 66 cm	~ 72 cm	~ 83.5 cm
Foot length	~ 18 cm	~ 19 cm	~ 20 cm	~ 20.5 cm	~ 21 cm
Ankle (1/2)	~ 9 cm			~ 9.25 cm	~ 9.5 cm
Cuff (1/2)	~ 15 cm	~ 16 cm	~ 17 cm	~ 18 cm	~ 19 cm
Colour	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.

Article number	99B14=HE
Length	approx. 100 cm
Foot length	approx. 18.5 cm
Ankle (1/2)	approx. 10 cm
Cuff (1/2)	approx. 14 cm

99B15 Nylon Connector

The nylon connector is intended for fastening the foam cover on the transfemoral socket.

Order example

Reference number	=	Size
99B15	=	2

Reference number	99B15		
Size	1	2	3
Length	~ 22 cm		
Cuff (1/2)	~ 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

Article number	99B17

647G49

4R32 Finishing Kit for Modular Hip Disarticulation Prostheses

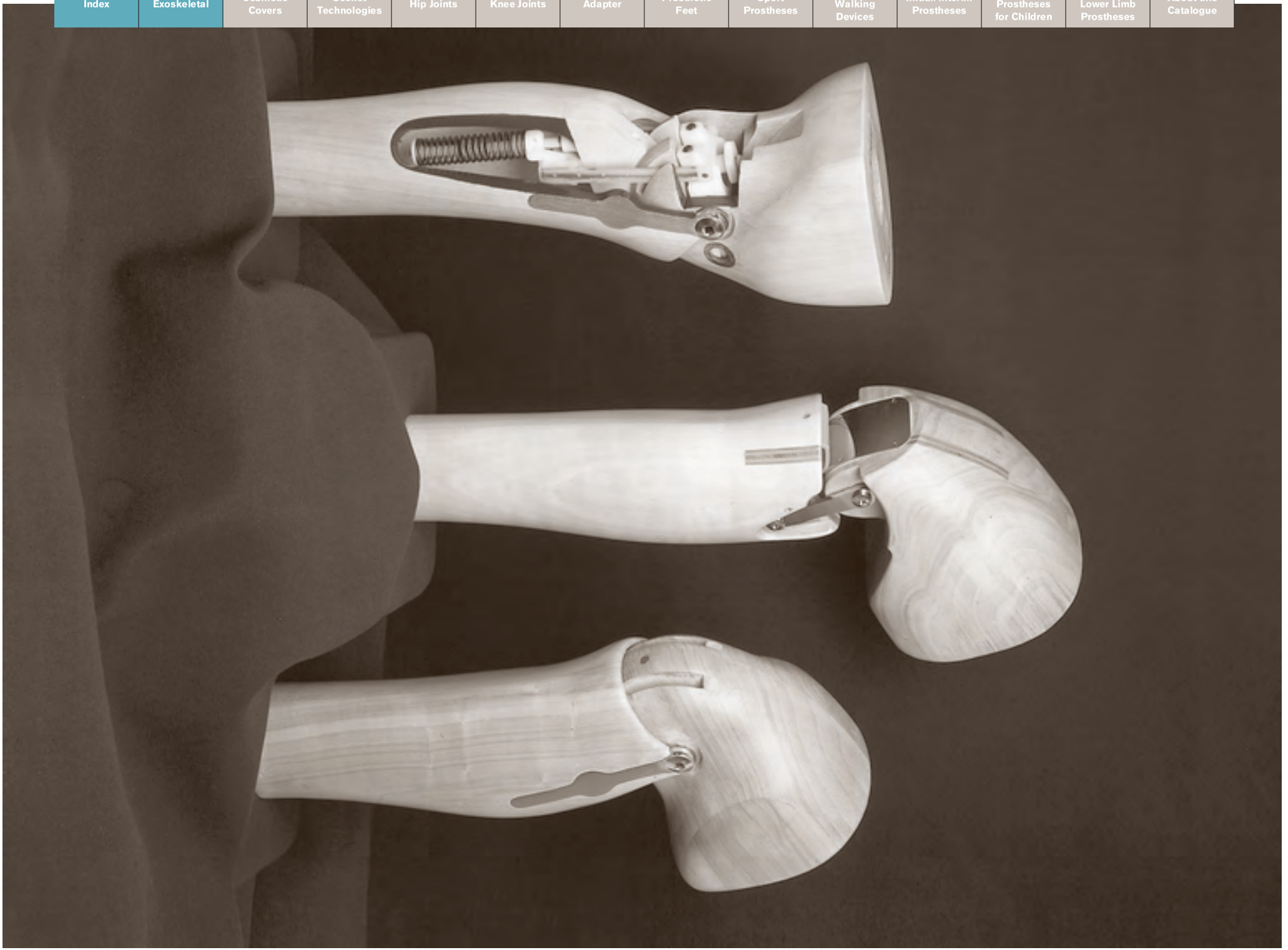
The finishing kit is used to secure the foam connection plate to the pelvic socket and is a functional component of the Ottobock modular hip joints.

Article number	4R32
Consisting of	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

Bag for Prosthesis

For transporting the prosthesis

Article number	642C3	642C3=1
Length	120 cm	65 cm
for	Transfemoral prosthesis	Transtibial prosthesis



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.

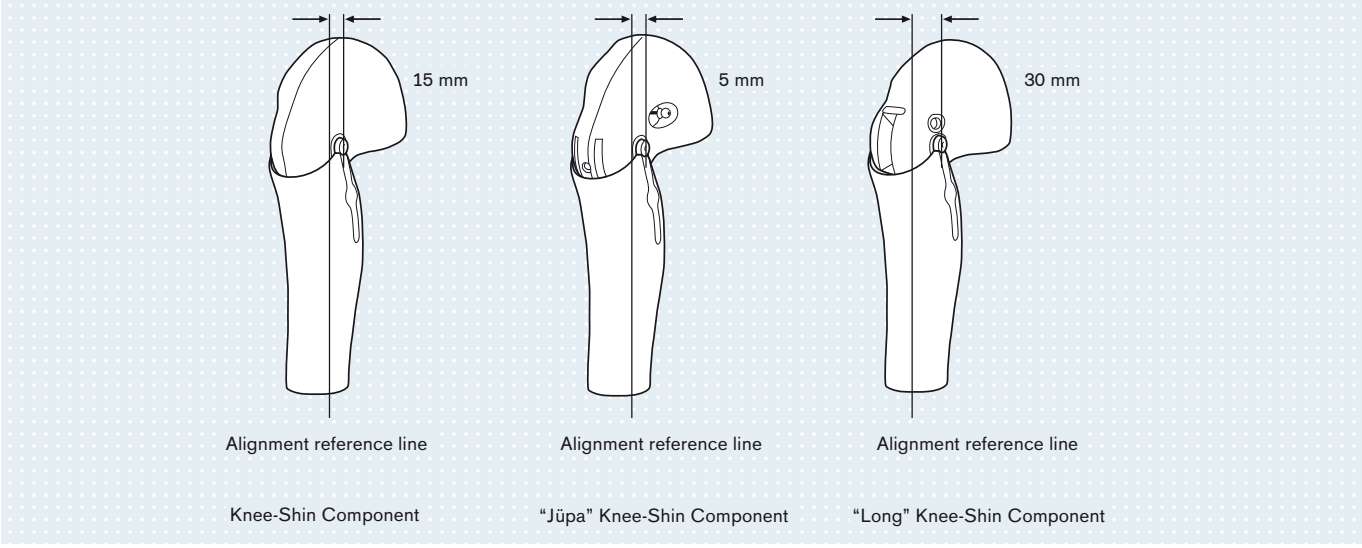
The physical arrangement of the knee-calf components and feet follows the approach for modular components.

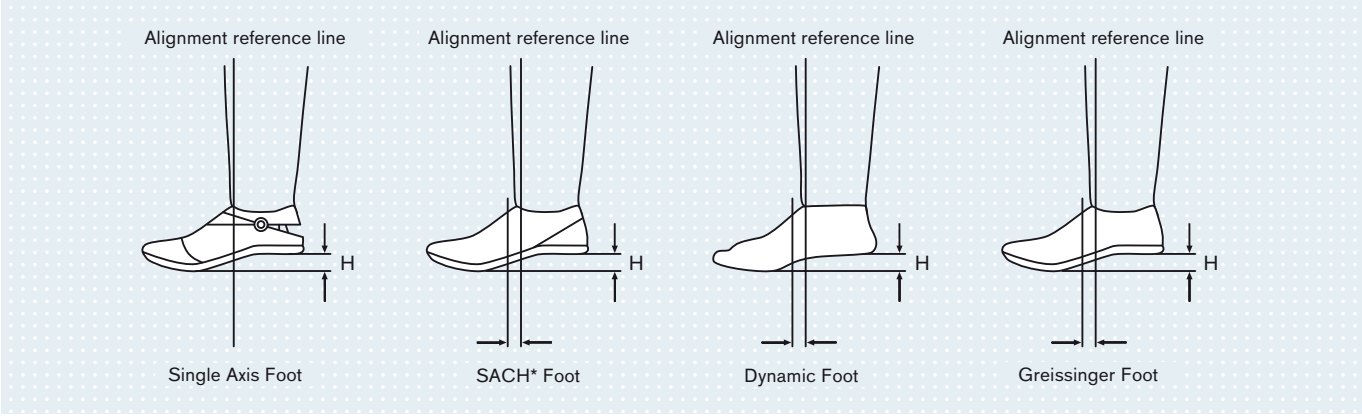
We recommend using the 743A3 Alignment Apparatus for the correct and straightforward alignment of exoskeletal lower limb prostheses.

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.

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 mm
for Dynamic Foot and Greissinger Foot = H + 10 mm

* SACH = Solid Ankle Cushion Heel
Pedilan is a registered trademark of Ottobock.

- 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

Article number	1G6

Dynamic Feet

Dynamic Foot with Toes and Sandal Toe

Article number	1D10

Dynamic Foot with Toes and Sandal Toe

Article number	1D11

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.

Article number	2K34=25	2K34=30
for foot sizes	24 – 25 cm	26 – 30 cm

2Z22 Screw Connection

Article number	2Z22=M10	2Z22=M8x90
for	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)
Scope of Delivery	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
Dimensions	115×75×65 mm		
Hardness	hard	medium	soft

2U1 Elastic Foot Cover

Article number	2U1=L	2U1=R
Side	left (L)	right (R)
Size	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	left (L), right (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	left (L), right (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	left (L), right (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							

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

Reference number	2K14							
Side	left (L), right (R)							
Size	22 cm	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm

709S14=11 Allen Wrench

galvanised, with mandrel, for Ottobock single axis joint

Article number	709S14=11
Material	
Length	120 mm
for	502S17=M7 Nut
Weight	0.077 kg
To be used for	

709S3 Square Socket Wrench, long

painted black

Article number	709S3
Material	Round bar steel
Length	530 mm
for	502V5=M10X1 Nut
Weight	0.450 kg
Colour	black

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
1A6	=	L	26

Reference number	1A6				
Heel height	28 mm				
Side	left (L), right (R)				
Size	25 cm	26 cm	27 cm	28 cm	29 cm
Colour	wood colour/white				
Max. body weight	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
1A7	=	L	26

Reference number	1A7				
Side	left (L), right (R)				
Size	25 cm	26 cm	27 cm	28 cm	29 cm

2Z18 Pedilan Toe

Order example

Reference number	=	Side	Size
2Z18	=	L	26

Reference number	2Z18				
Side	left (L), right (R)				
Size	25 cm	26 cm	27 cm	28 cm	29 cm
for	1A6, 1A7				

2F18 Pedilan Heel Wedge

Article number	2F18
for	1A6, 1A7

2Z14 Pedilan Sole

Sole contour flat

Order example

Reference number	=	Side	Size
2Z14	=	L	26

Reference number	2Z14				
Side	left (L), right (R)				
Size	25 cm	26 cm	27 cm	28 cm	29 cm
for	1A6, 1A7				

Single Component Pack

Article number	2D1	2D2
Size	24 – 25 cm	26 – 29 cm
for	1A6, 1A29	
Scope of Delivery	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
Material	Steel	Titanium
Size range	25 – 29 cm	25-29 cm

2K5 Shaped Ankle Part

Order example

Reference number	=	Side	Size
2K5	=	L	26

Reference number	2K5				
Side	left (L), right (R)				
Size	25 cm	26 cm	27 cm	28 cm	29 cm
for	for 1A6, with 2S4 Attachment Pin and 2S18 Plastic Insert				

709S7 Allen Wrench

Article number	709S7
Suitable for	Lock nut

Greissinger plus

647H205

1A29 Greissinger plus

with 2K25 Shaped Ankle Part and joint movable in all directions.

Order example

Reference number	=	Side	Size
1A29	=	L	26

Reference number	1A29					
Heel height	10 mm					
Side	left (L), right (R)					
Size	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm
Colour	beige					
Max. body weight	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
1A31	=	L	26

Reference number	1A31					
Side	left (L), right (R)					
Size	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm
Max. body weight	75 kg		100 kg			

2K25 Shaped Ankle Part

Order example

Reference number	=	Side	Size
2K25	=	L	26

Reference number	2K25					
Side	left (L), right (R)					
Size	24 cm	25 cm	26 cm	27 cm	28 cm	29 cm
for	1A29					

Single Component Pack

Article number	2D1	2D2
Size	24 – 25 cm	26 – 29 cm
for	1A6, 1A29	
Scope of Delivery	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
1P9	=	L	26

Reference number	1P9					
Heel height	10 mm					
Side	left (L), right (R)					
Size	23 cm	24 cm	25 cm	26 cm	27 cm	28 cm
Colour	wood colour/beige					

647H130

- We recommend 636W25 PU Adhesive with 636W26 Hardener to bond the mid-foot to the foot component.

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
3P19	=	L	32

Reference number	**3P19**
Material	Poplar
Calf circumference	28 cm, 30 cm, 32 cm, 34 cm, 36 cm, 38 cm, 40 cm
Side	left (L), right (R)

Accessories

- Order separately as necessary.

726W11 Tapered Reamer

for reaming out worn knee axis bushings

Article number	**726W11**
for	3P19 and 3P23 Knee Axis Bushing
Weight	24.5 kg

Single Components as Replacement Parts

4H14 Standard Extension Stop Frame

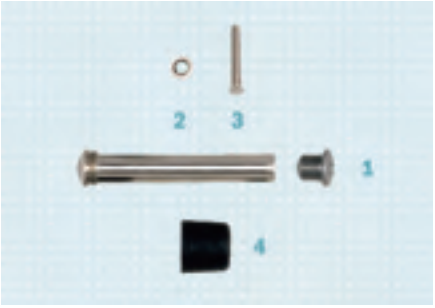
with stop bumper, hard

Article number	**4H14**

4V71 Constant Friction Unit

Article number	4V71

3D6 Single Component Pack



Article number	3D6
for	3P19
Consisting of	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
3P23	=	L	30

Reference number	3P23
Material	Poplar
Calf circumference	28 cm, 30 cm, 32 cm, 34 cm, 36 cm, 38 cm, 40 cm
Side	left (L), right (R)

Accessories

- Order separately as necessary.

726W11 Tapered Reamer

for reaming out worn knee axis bushings

Article number	726W11
for	3P19 and 3P23 Knee Axis Bushing
Weight	24.5 kg

Single Components as Replacement Parts

4B52 Swing Block

Article number	4B52

3D4 Single Component Pack

Article number	3D4
for	3P23
Consisting of	1 knee axis with knee axis screw (stainless steel) (1) 1 swing axis pin (2) 2 knee axis bushings (3) 1 extension assist bow (4) 1 deceleration bumper (5) 1 knee extension stop rubber (6) 1 shin extension stop bumper (7)

4V21 Friction Segment

Order example

Reference number	=	thickness
4V21	=	2.5

Reference number	4V21		
Thickness	2 mm	2.5 mm	3 mm

4V89 Extension Assist, pre-assembled

Article number	4V89

3P4 Knee-Calf Component

single axis, with central lock and extension stop frame

Order example

Reference number	=	Side	Calf circumference
3P4	=	L	30

Reference number	3P4
Material	Poplar
Calf circumference	28 cm, 30 cm, 32 cm, 34 cm, 36 cm, 38 cm, 40 cm
Side	left (L), right (R)

647H254

Single Components as Replacement Parts

4H12 Extension Stop Frame

with riveted guide plate

Order example

Reference number	=	Side
4H12	=	L

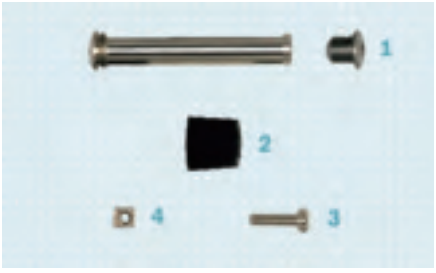
Reference number	4H12
Side	left (L), right (R)

3D1 Knee Locking Unit

Article number	3D1
for	3P4
Consisting of	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

Article number	3D2
for	3P4
Consisting of	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)



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

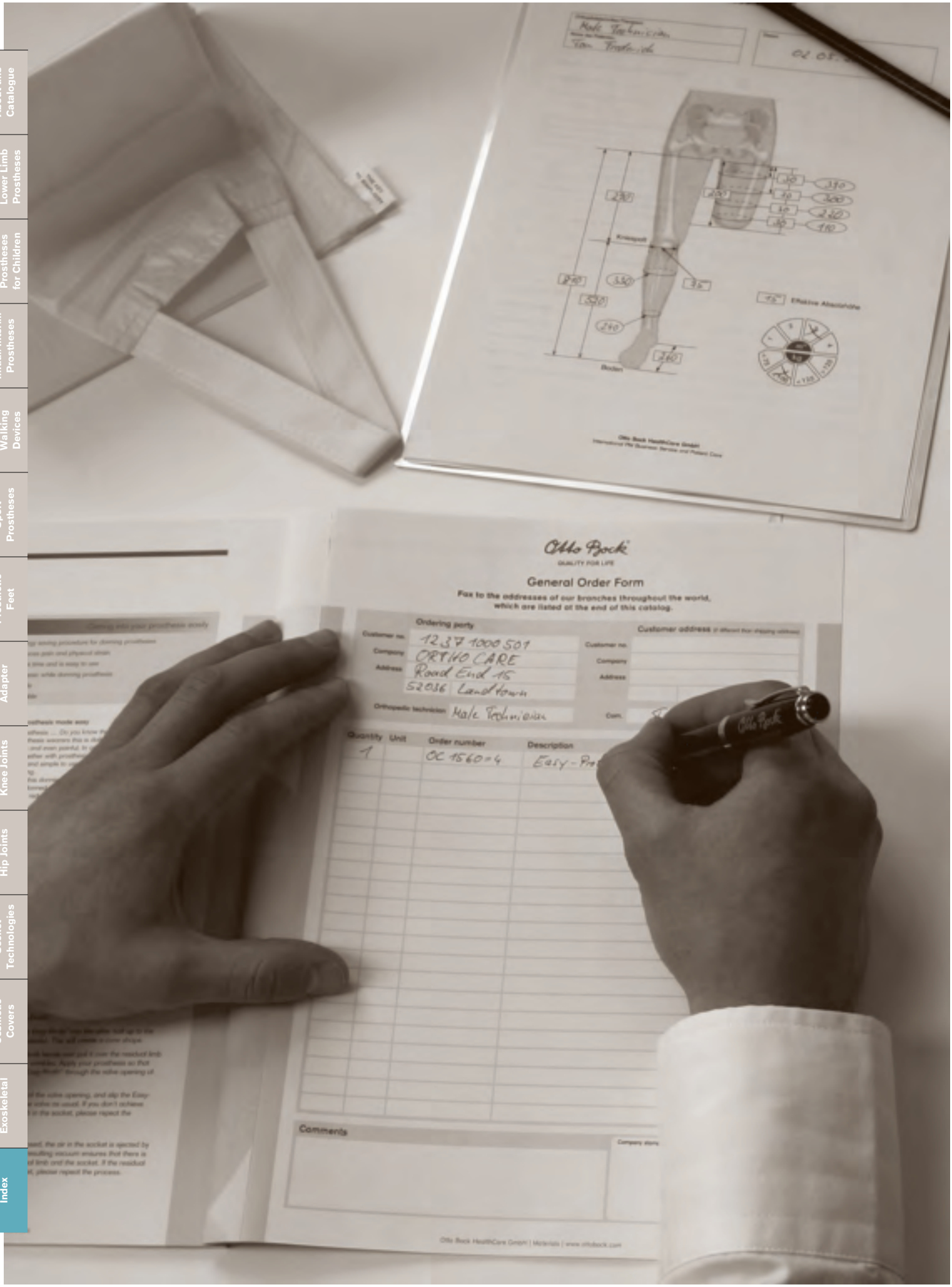
Article number	6P1
Material	Poplar

- 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
Residual limb circumference	530 – 620 mm	450 – 560 mm	370 – 480 mm
Dimensions (DxWxH)	250×260×370 mm	210×220×370 mm	190×200×370 mm
Material	Poplar		

- The wooden socket can also be copied by Ottobock Service Fabrication. For more information, please consult the 646K71=D Service Catalogue.


Otto Bock
QUALITY FOR LIFE
General Order Form
Fax to the addresses of our branches throughout the world,
which are listed at the end of this catalog.
Ordering party
Customer address
Customer no. 1237 1000 501
Company ORTHO CARE
Address Road End 15
52036 Landhaven
Orthopedic technician Male Technician
Quantity Unit
Order number
Description
1
OC 1560-4
Comments

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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General Order Form

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	Unit	Article number	Designation

Comments	Company stamp/signature

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Genium – Bionic Prosthetic System

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.	

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 [1]
☐ Footshell, shape slim (size 22 – 26)
☐ Footshell, shape normal (size 22 – 30)

☐ qty. **1D35** Dynamic Motion [1]
☐ qty. **1C30** Trias [1]
☐ qty. **1C40** C-Walk [1]
☐ qty. **1E56** Axtion (incl. Spektra sock and footshell) [1]

☐ qty. **1E57** Lo Rider (incl. Spektra sock and footshell) [1]
☐ qty. **1C60** Triton [1]
☐ Footshell, shape slim [2] ☐ Footshell, shape normal [3]
☐ qty. **1C61** Triton Vertical [1]
☐ Footshell, shape slim [2] ☐ Footshell, shape normal [3]
☐ qty. **1C62** Triton Harmony [1]
☐ Footshell, shape slim [2] ☐ Footshell, shape normal [3]
☐ qty. **1C63** Triton Low Profile [1]
☐ Footshell, shape slim [2] ☐ Footshell, shape normal [3]
☐ qty. **1C64** Triton Heavy Duty [1]
☐ Footshell, shape slim [2] ☐ Footshell, shape normal [3]

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

[1] Please provide order information according to the Catalogue Prosthetics-Lower Extremities 646K2 and/or News 2011 Brochure 647G630.
[2] for sizes 21 – 27
[3] 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 .....

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Custom Carbon Protector 4X889=1

Measurement Form

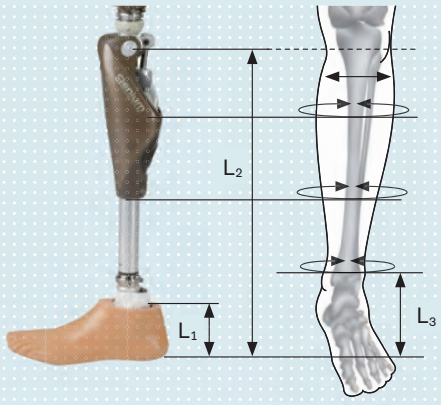
Customer		Shipping address (if different from customer address)	
Customer no.		Customer no.	
Company		Company	
Street		Street	
Postal code/city		Postal code/city	
Prosthetist		Com.	

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

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.	

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

Fax to your Ottobock representative.

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)

☐ qty. **2R80** (standard) for C-Leg compact
Length:
☐ 110 mm (max. 100 kg)
☐ 120 mm (max. 125 kg)
☐ 160 mm (max. 125 kg)
☐ 200 mm (max. 125 kg)
☐ 240 mm (max. 125 kg)

☐ qty. **2R82** (standard) for C-Leg
Length:
☐ 110 mm (max. 100 kg)
☐ 120 mm (max. 136 kg)
☐ 160 mm (max. 136 kg)
☐ 200 mm (max. 136 kg)
☐ 240 mm (max. 136 kg)

☐ qty. **2R81** (torsion unit) for C-Leg compact / C-Leg
Length:
☐ 160 mm (max. 125 kg)
☐ 200 mm (max. 125 kg)
☐ 240 mm (max. 125 kg)

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

Foot parts (minimum order quantity: 1)

☐ qty. **1M10** Adjust [1]
☐ Footshell slim (size 22 – 26)
☐ Footshell normal (size 22 – 30)

☐ qty. **1D10** Men's Dynamic Foot with Toes [1] (incl. 2R31 and 2R14)

☐ qty. **1D11** Women's Dynamic Foot with Toes [1] (incl. 2R31 and 2R14)

☐ qty. **1A30** Greissinger plus [1]

☐ qty. **1D35** Dynamic Motion [1]

☐ qty. **1C30** Trias [1]
☐ qty. **1C40** C-Walk [1]
☐ qty. **1E56** Axtion (incl. Spektra sock and footshell) [1]
☐ qty. **1E57** Lo Rider (incl. Spektra sock and footshell) [1]
☐ qty. **1C60** Triton [1] Footshell: ☐ slim [2] ☐ normal [3]
☐ qty. **1C61** Triton Vertical Shock [1] Footshell: ☐ slim [2] ☐ normal [3]
☐ qty. **1C62** Triton Harmony [1] Footshell: ☐ slim [2] ☐ normal [3]
☐ qty. **1C63** Triton Low Profile [1] Footshell: ☐ slim [2] ☐ normal [3]
☐ qty. **1C64** Triton Heavy Duty [1] Footshell: ☐ slim [2] ☐ normal [3]

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 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) .....

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

[1] Please provide order information according to the Catalogue Prosthetics Lower Extremities 646K2 and/or News 2011 Broschure 647G630.
[2] for sizes 21 – 27
[3] for sizes 24 – 30

Date ..... Place ..... Signature .....

ottobock.

Aqualine® Cover Measurement Form

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.	

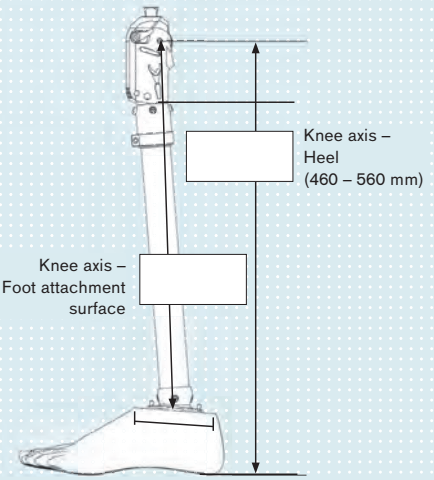
Patient information

Side ☐ left ☐ right

Mobility grade _____ Weight _____

	Foot size	Calf circumference	Allowable knee axis-heel measurement	Measured knee axis-heel measurement
☐	24	S (330 mm)	460–510 mm	_____ mm
☐	24	M (370 mm)	500–560 mm	_____ mm
☐	25	S (330 mm)	460–510 mm	_____ mm
☐	25	M (370 mm)	500–560 mm	_____ mm
☐	26	M (370 mm)	460–560 mm	_____ mm
☐	26	L (410 mm)	510–560 mm	_____ mm
☐	27	M (370 mm)	460–560 mm	_____ mm
☐	27	L (410 mm)	510–560 mm	_____ mm
☐	28	M (370 mm)	460–560 mm	_____ mm
☐	28	L (410 mm)	510–560 mm	_____ 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: _____

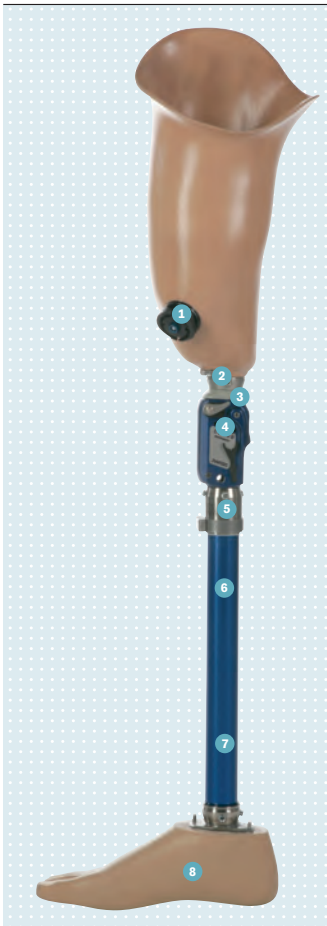
Date ..... Place ..... Signature .....

ottobock.

Aqualine® Fax Order Form

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.	

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: ☐ left ☐ right	
			Foot size:	
			Colour: ☐ 4 beige	

Please order the cosmetics with separate order form. For questions please contact our customer service.

Date ..... Place ..... Signature .....

ottobock.

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
	1M10=			–		–P/		
	1M10=			–		–P/		

	Side
Right	R
Left	L

	Size (cm)
Normal (N)	22, 23, 24, 25, 26, 27, 28, 29, 30
Small (S)	22, 23, 24, 25, 26

	Colour
Beige	4
Light brown	15

	Shape
Normal foot shape, heel height 10 mm (+/- 5 mm)	N
Small foot shape, heel height 20 mm (+/- 5 mm)	S

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 .....

ottobock.

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 .....

ottobock.

Triton, Triton Low Profile, Triton Heavy Duty

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	–	Stiffness	– P /	Colour	Shape
☐		1C60=			–		– P /		
☐		1C63=			–		– P /		
☐		1C64=			–		– P /		

Side		Size [cm]
Right	R	21, 22, …, 30
Left	L	

Colour		Shape	
Beige	4	Normal	N
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)

1C60 Triton

1C63 Triton Low Profile

1C64 Triton Heavy Duty

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

Date ..... Place ..... Signature .....

ottobock.

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
☐		1C61=			–		–		– P /		
☐		1C62=			–		–		– P /		

Side		Size [cm]
Right	R	21, 22, …, 30
Left	L	

Colour		Shape	
Beige	4	Normal	N
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)

1C61 Triton Vertical Shock

1C62 Triton Harmony®

* 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 .....

ottobock.

Prosthetic feet (selection)

General patient information · 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.	

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

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.

Amputation level (optional information)

☐ Symes/Chopart ☐ Transtibial – lower leg

Ⓐ Structural height: end of socket to floor ..... mm

OR

Ⓑ MTP to floor (sound limb) ..... mm

Ⓒ MTP to end of socket ..... mm

Structural height: Ⓑ - Ⓒ ..... mm

☐ Keen disarticulation ☐ Transfemoral – thigh

☐ Hip disarticulation

Knee component: .....

Ⓐ Structural height:

End of knee component to floor ..... mm

OR

Ⓑ MTP to floor (sound limb) ..... mm

Ⓒ Centre of knee to end of knee component ..... mm

Structural height: Ⓑ - Ⓒ ..... mm

☐ Other .....

Date ..... Place ..... Signature .....

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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
☐ 4R82=P	☐ 2R182=30	☐ 4R431=1
☐ 4R82	☐ 2R183	☐ 4R431=2
☐ 2R183		☐ 4R415
☐ 2R183=L		

B-Pylon

Tube Connection	Socket Adapter
☐ 2R185=30	☐ 4R432=1
☐ 2R185=34	☐ 4R432=2
	☐ 4R415

Children's Springlite II

☐ **1E66** (6 mm heel height)
system height: max. 375 mm

Adapter options for:
Children's Springlite II

A-Pylon

Pyramid Adapter/ Pyramid Receiver	Tube Connection	Socket Adapter
☐ 4R82=P	☐ 2R182=22	☐ 4R431=1
☐ 4R82	☐ 2R182=30	☐ 4R431=2
	☐ 2R183	
☐ 2R183		☐ 4R415
☐ 2R183=L		

Footshells
for Axtion DP, Advantage DP2, Springlite II

Quantity	Article no.	Sizes	Colours
	2C5= ☐☐/☐ Side Size Colour	22-31 cm	4 beige 15 light brown

for Children's Springlite II

Quantity	Article no.	Sizes
	2E3= ☐☐ 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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Modular Foot System

Page 3/3

Chopart Footplate

Minimum structural height: 17-24 mm
Crepe soles are included with the foot.

Please indicate the footshell and glue kit below (footshell, fill foam).

☐ **1E80 Chopart** with 0 mm heel height
☐ **1E81 Chopart** with 9 mm heel height
☐ **1E82 Chopart** with 19 mm heel height

Chopart Footplate for Children

Minimum structural height: 17 mm
Crepe soles are included with the foot.

☐ **1E87 Chopart** with 6 mm heel height

Lo Rider

The scope of delivery includes a Spectra sock and crepe soles.

Please indicate the selected footshell below.

☐ **1E57 Lo Rider** with 9 mm heel height

Alternative adapter:

XO Coupler for Lo Rider

☐ **SL=LR-XOCS-M6** (diameter 73 mm)
☐ **SL=LR-XOCL-M6** (diameter 85 mm*)
☐ **SL=LR-XOCL-5/16**

* The version delivered depends on the mobility grade and body weight.

☐ **SL=P078 Chopart Glue Kit**
☐ **SL=P071 Fill Foam** (optional)
☐ **2C100 Footshell Replacement Tool**
☐ **SL=Spectra Sock** protective sock

Axtion

The scope of delivery includes a Spectra sock, heel wedges and crepe soles.

Please indicate the selected footshell below.

☐ **1E56 Axtion** with 13 mm heel height

SL Profile for Children

The scope of delivery includes a Spectra sock and crepe soles.

Please indicate the selected footshell below.

☐ **1E79 SL Profile** with 6 mm heel height

Footshells

for Chopart, Lo Rider (size 24 – 31 cm) and Axtion

Quantity	Article no.	Sizes	Colours
	2C5= ☐☐/☐ Side Size Colour	22-31 cm	4 beige 15 light brown

for Lo Rider (size 22 – 23 cm)

Quantity	Article no.	Sizes
	SL=M ☐☐ Side Size	23 cm
	SL=F ☐☐ Side Size	22 – 23 cm

for Chopart Footplate for Children

Quantity	Article no.	Sizes
	2E3= ☐☐ Side Size	13 – 21 cm

Date ..... Place ..... Signature .....

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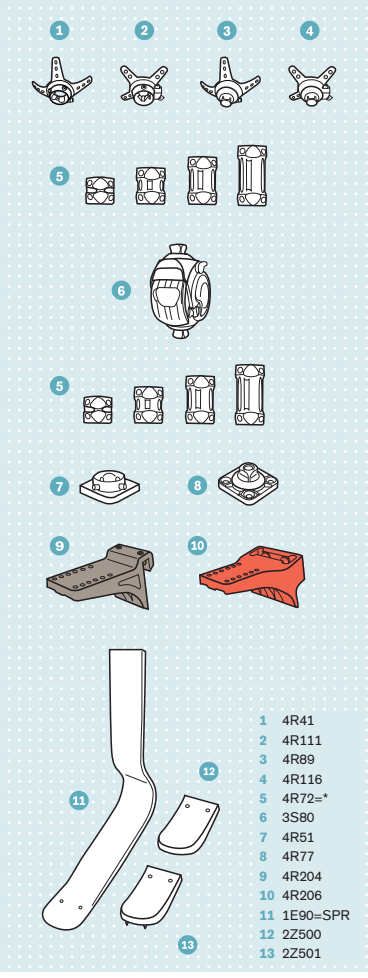
TF Sport Prosthesis Fax Order Form

Fax to your Ottobock representative.

Customer		Shipping address (if different from customer address)	
Customer no.		Customer no.	
Company		Company	
Street		Street	
Postal code/city		Postal code/city	
Prosthetist		Com.	

Sport Prosthesis System Overview



Please check off the required components and specify the order quantity.

	Quantity	Article number	Designation
☐		**4R41**	Lamination Anchor with Pyramid Receiver, rotating
☐		**4R111**	Lamination Anchor with Pyramid Receiver, rotating
☐		**4R89**	Lamination Anchor with Pyramid Adapter, rotating
☐		**4R116**	Lamination Anchor with Pyramid Adapter, rotating
☐		**4R72=32**	Double Adapter
☐		**4R72=45**	Double Adapter
☐		**4R72=60**	Double Adapter
☐		**4R72=75**	Double Adapter
☐		**3S80**	Knee Joint
☐		**4R51**	Adapter with Pyramid Receiver, rotating
☐		**4R77**	Adapter with Pyramid Adapter, rotating
☐		**4R204**	Sport Foot Adapter
☐		**4R206**	Test Foot Adapter
☐		**2Z500**	Outer Sole without Spikes
☐		**2Z501**	Outer Sole with Spikes
☐		**642C3**	Bag for Transfemoral Prosthesis (120cm)
☐		**642C3=1**	Bag for Transtibial Prosthesis (65cm)

1E90 Sprinter

	Stiffness version	Short-distance running	Long-distance running
		Body weight	Body weight
☐	**SPR-1**	40 – 52 kg	40 – 59 kg
☐	**SPR-2**	53 – 63 kg	60 – 70 kg
☐	**SPR-3**	64 – 79 kg	71 – 86 kg
☐	**SPR-4**	80 – 95 kg	87 – 100 kg
☐	**SPR-5**	96 – 100 kg	–

Date ..... Place ..... Signature .....

ottobock.

ProCarve fax order form

Fax to your Ottobock representative.

Customer		Shipping address (if different from customer address)	
Customer no.		Customer no.	
Name of company		Name of company	
Street		Street	
Postal code/city		Postal code/city	
Phone number		Phone number	
Prosthetist/orthotist		Patient name	

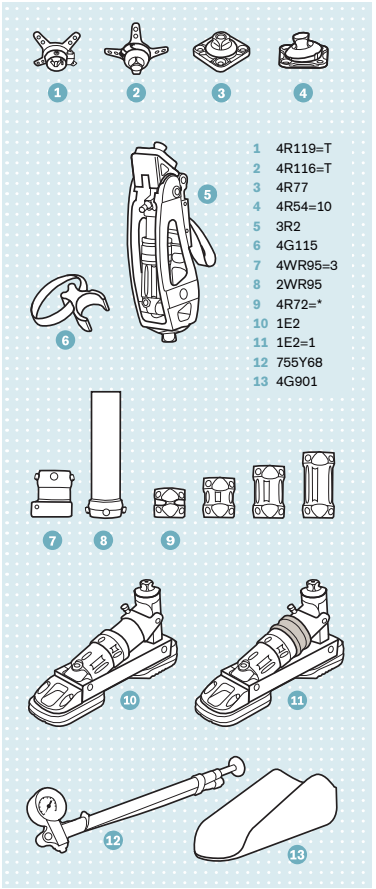
Please check off the required components and specify the order quantity.

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
☐		**3R2**	ProCarve prosthetic knee
☐		**1E2**	ProCarve prosthetic foot, standard version
☐		**1E2=1**	ProCarve prosthetic foot, stiffer version
☐		**4R119=T**	Lamination anchor with pyramid receiver, rotatable, corrosion resistant
☐		**4R116=T**	Lamination anchor with pyramid adapter, rotatable, corrosion resistant
☐		**4R77**	Socket adapter with pyramid adapter, rotatable
☐		**4R54=10**	Socket adapter with pyramid adapter, angled at 10°
☐		**4R72=32**	Double adapter
☐		**4R72=45**	Double adapter
☐		**4R72=60**	Double adapter
☐		**4R72=75**	Double adapter
☐		**4WR95=3**	Tube clamp adapter
☐		**2WR95**	Tube adapter

ProCarve system overview



Date ..... Place ..... Signature .....

ottobock.

Prosthetic Sport Feet

General patient information · 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.	

Patient data

Name: .....

Age: .....

Gender: ☐ male ☐ female

Weight: ..... kg

Size: .....

Foot size: .....

Affected side: ☐ Left ☐ Right

Current foot (model): .....

Activity

☐ Competitive sports ☐ Recreational sports

Training units/week: .....

Focus on: ☐ Sprinting ☐ 100 m ☐ 200 m ☐ 400 m

☐ Long-distance running

Other disciplines/miscellaneous:

.....

.....

.....

Amputation level (optional information)

☐ Transtibial – lower leg

Ⓐ Structural height: end of socket to floor ..... mm

OR

Ⓑ MTP to floor (sound limb) ..... mm

Ⓒ MTP to end of socket ..... mm

Structural height: Ⓑ - Ⓒ ..... mm

☐ Keen disarticulation ☐ Transfemoral – thigh

Knee component: .....

Ⓐ Structural height:

End of knee component to floor ..... mm

OR

Ⓑ MTP to floor (sound limb) ..... mm

Ⓒ Centre of knee to end of knee component ..... mm

Structural height: Ⓑ - Ⓒ ..... mm

☐ Other .....

Date ..... Place ..... Signature .....

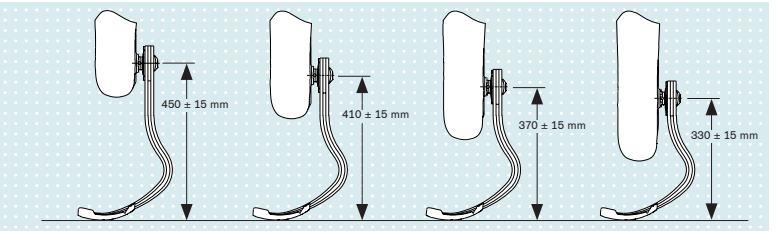
ottobock.

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

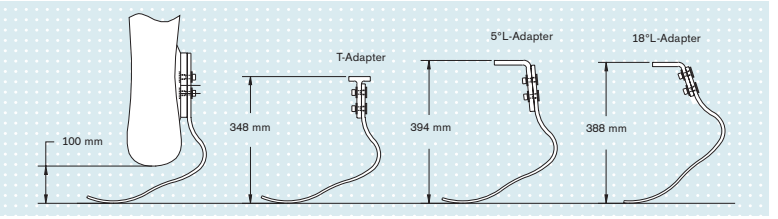


Adapter plate, socket adapter and rollover contour with spikes included in scope of delivery.

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 .....

ottobock.

Carbon Fibre Footplates

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	Footplate type	Description	Size	Stiffness
	Flat (F) SL= F ☐☐ (Size, Stiffness)	Carbon fibre footplate, flat, in the shape of an insole.	☐ 16 (14–16 cm) ☐ 19 (17–19 cm) ☐ 22 (20–22 cm) ☐ 25 (23–25 cm) ☐ 28 (26–28 cm) ☐ 31 (29–31 cm)	☐ S (soft) ☐ M (medium) ☐ F (firm) ☐ XF (extra firm) ☐ XXF (extra extra firm)
	Arched (A) SL= A ☐☐☐ (Side, Size, Stiffness)	Carbon fibre footplate with slight lengthwise arch, without heel.		
	Heel (13 mm), arched (HA) SL= HA ☐☐☐ (Side, Size, Stiffness)	Carbon fibre footplate with slight lengthwise arch and 13 mm heel.		
	Contour (CFP) SL= CFP ☐☐ (Size, Stiffness)	Carbon fibre footplate with contoured forefoot and 13 mm heel.	☐ 22 (20–22 cm) ☐ 25 (23–25 cm) ☐ 28 (26–28 cm) ☐ 31 (29–31 cm)	
	Morten's Extension, flat SL= ME-F- ☐ (standard) Stiffness	Carbon fibre footplate with integrated Hallux Varus profile in forefoot. Adaptation to various sizes by sanding.	☐ standard (20 cm long)	☐ M (medium) ☐ F (firm)
	SL= MEL-F- ☐ (long) Stiffness		☐ long (25.5 cm long)	
	Morten's Extension, contoured SL= ME-C- ☐☐ (standard) (Side, Stiffness)	Carbon fibre footplate with integrated Hallux Varus profile in forefoot. Adaptation to various sizes by sanding.	☐ standard (20 cm long)	
	SL= MEL-C- ☐☐ (long) (Side, Stiffness)		☐ long (25.5 cm long)	

Date ..... Place ..... Signature .....

ottobock.

Measurement Form for Polyurethane (PUR) Liner

Transtibial and Syme amputations

Customer		Shipping address (if different from customer address)	
Customer no.		Customer no.	
Company		Company	
Street		Street	
Postal code/city		Postal code/city	
Prosthetist		Com.	

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

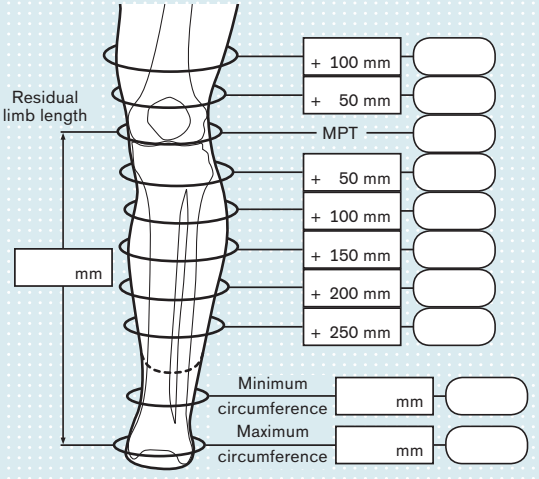
☐ **with textile coating**
- ☐ 1.6 mm, colour: ☐ skin colour or ☐ black
- ☐ 0.6 mm, colour: ☐ skin colour or ☐ black
- ☐ 1.0 mm, colour: silver

☐ **Without textile coating** (requires a non-adhesive coating)

☐ **SKINGUARD TECHNOLOGY**

Lower leg measurements

- Extend the measuring sections if required.



Comments: .....

Date ..... Place ..... Signature .....

ottobock.

Measurement Form for Polyurethane (PUR) Liner

Knee disarticulation and transfemoral amputations

Customer		Shipping address (if different from customer address)	
Customer no.		Customer no.	
Company		Company	
Street		Street	
Postal code/city		Postal code/city	
Prosthetist		Com.	

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

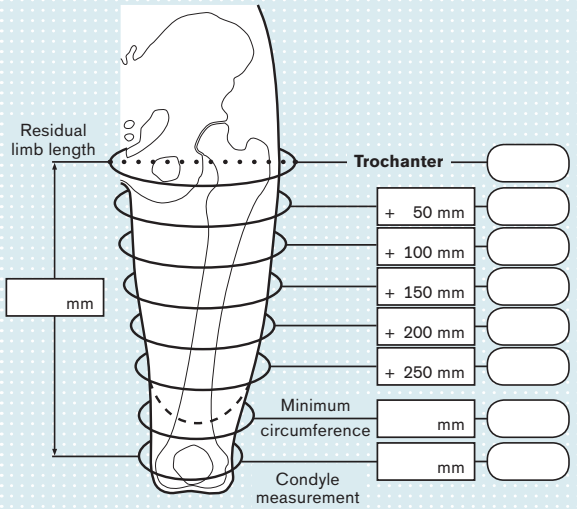
☐ **with textile coating**
- ☐ 1.6 mm, colour: ☐ skin colour or ☐ black
- ☐ 0.6 mm, colour: ☐ skin colour or ☐ black
- ☐ 1.0 mm, colour: silver

☐ **Without textile coating** (requires a non-adhesive coating)

☐ **SKINGUARD TECHNOLOGY**

Thigh measurements

- Extend the measuring sections if required.



Comments:

Date Place Signature

ottobock.

Transfemoral SiliconeGel Custom Liner

Measurement form

Customer		Shipping address (if different from customer address)	
Customer no.		Customer no.	
Company		Company	
Street		Street	
Postal code/city		Postal code/city	
Prosthetist		Com.	

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

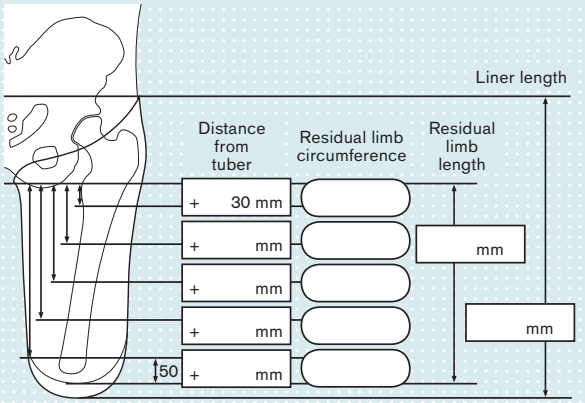
Textile colour:
☐ Grey (with skin colour seam)
☐ Skin colour
☐ SKINGUARD Technology

Thigh measurements
Important: Extend measurement sections if necessary.

Distal end

Notes
Wall thickness tolerances of ±0.8 mm are possible on subsequent orders.
Length of the matrix: 4 cm below the medial liner edge.

Comments:
.....
.....
.....



Date ..... Place ..... Signature .....

ottobock.

Transtibial SiliconeGel Custom Liner

Measurement form

Customer		Shipping address (if different from customer address)	
Customer no.		Customer no.	
Company		Company	
Street		Street	
Postal code/city		Postal code/city	
Prosthetist		Com.	

Affected side: ☐ Left ☐ Right
Wall thickness: ☐ 4 mm ☐ 5 mm ☐ 6 mm

Distal residual limb end thickness: .....

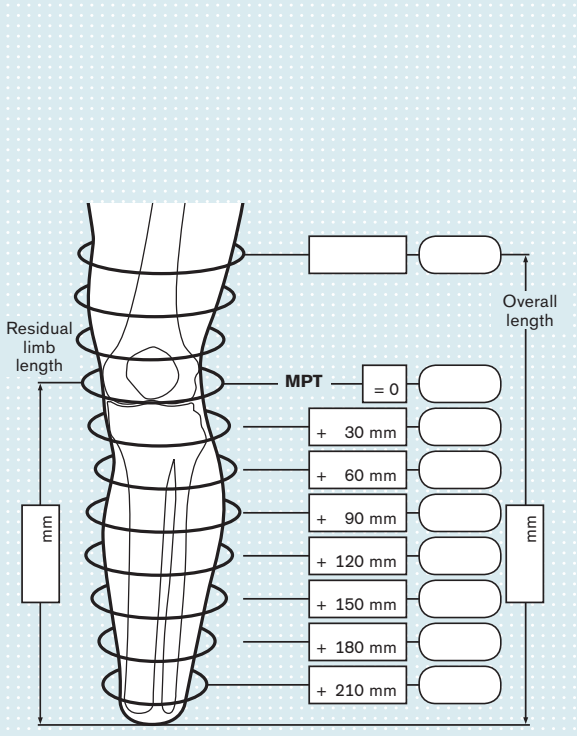
☐ New order
☐ Re-order, previous ML no.: .....

☐ **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: .....

Date ..... Place ..... Signature .....

ottobock.

Transfemoral Silicone Custom Liner from Plaster Cast

Measurement form

Customer		Shipping address (if different from customer address)	
Customer no.		Customer no.	
Company		Company	
Street		Street	
Postal code/city		Postal code/city	
Prosthetist		Com.	

☐ **88L2=BB** TF Silicone Liner from plaster cast (Chlorosil)
☐ **88L3=G** Fabrication from plaster negative
☐ **SF6Y=GN1** Copy in porous plaster

☐ **Trial liner**
☐ **Definitive liner**

Affected side: ☐ Left ☐ Right

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

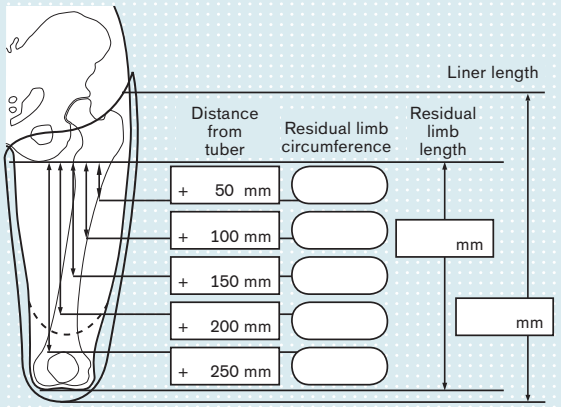
☐ Extension strip (matrix) to minimise pistoning
..... mm length from residual limb end
..... Number of matrix fingers

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 .....

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Transtibial Silicone Custom Liner from Plaster Cast

Measurement form

Customer		Shipping address (if different from customer address)	
Customer no.		Customer no.	
Company		Company	
Street		Street	
Postal code/city		Postal code/city	
Prosthetist		Com.	

☐ **88L2=OB** TT Silicone Liner from plaster cast (Chlorosil)
☐ **88L3=G** Fabrication from plaster negative
☐ **SF6Y=GN2** Copy in porous plaster

☐ **Trial liner**
☐ **Definitive liner**

Affected side: ☐ Left ☐ Right

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

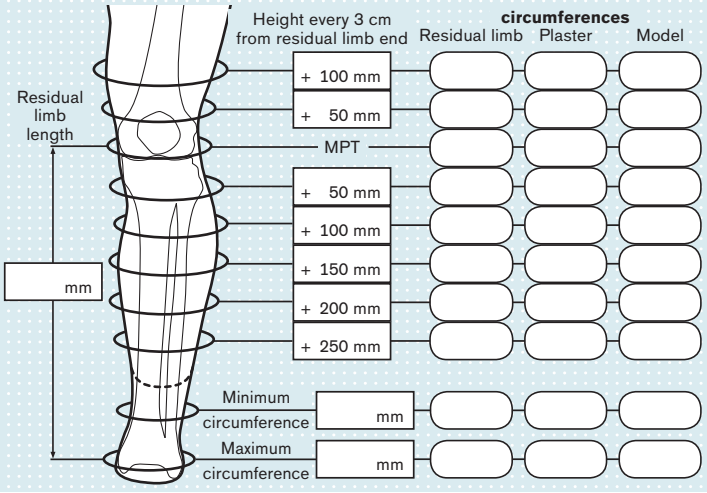
☐ Extension strip (matrix) to minimise pistoning
..... mm length from residual limb end
..... Number of matrix fingers

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 .....

ottobock.

Custom Cosmetic Foam Covers

Measurement Form · 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.	

Patient information

Name: .....

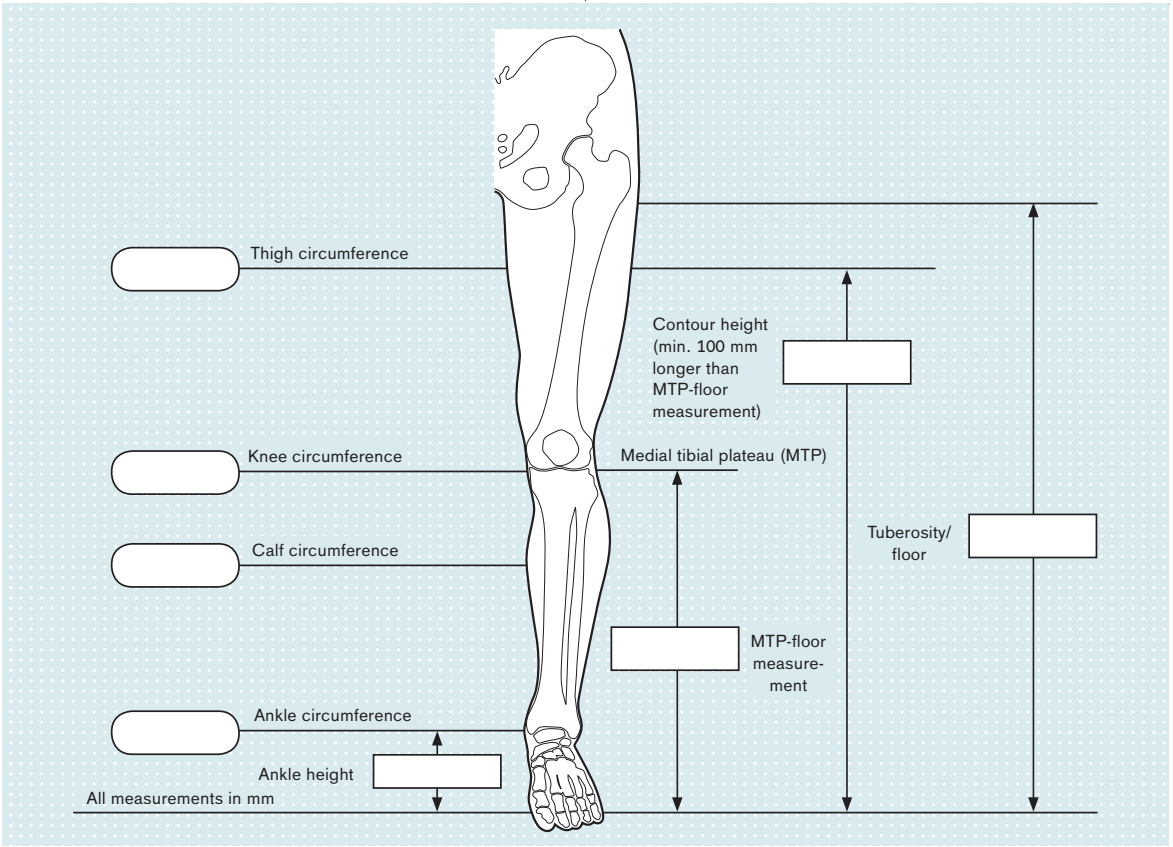
Date of birth: .....

Weight: ..... kg

Affected side: ☐ Left ☐ Right

Gender: ☐ male ☐ female

Prosthesis/knee type: .....



Date ..... Place ..... Signature .....

ottobock.

7E10 – Helix^{3D} Hip Joint System

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.	

Patient data

Surname/first name: .....

Age: .....

Gender: ☐ male ☐ female

Weight: ..... kg

Size: .....

Foot size: .....

Occupation: .....

Prosthesis wearer since: .....

Tuberosity – floor: .....

Knee rotation point – floor: .....

Amputation level: ☐ Hip disarticulation
☐ Hemipelvectomy

Affected side: ☐ Left ☐ Right

Patient mobility grade

☐ **Mobility grade 2**
Restricted outdoor walker

☐ **Mobility grade 3**
Unrestricted outdoor walker

Ability to walk: (distance per day and time)

☐ 0.3 km to 1 km
☐ 1 km to 5 km
☐ More than 5 km
☐ 15 to 30 minutes
☐ 30 to 60 minutes
☐ 60 to 120 minutes
☐ More than 120 minutes

Current prosthesis/prosthesis components:

Current hip joint: .....

Current knee joint: .....

C-Leg (serial number): .....

Current foot: .....

Sports

☐ Recreational sports ☐ None

☐ Competitive sports

Sport(s): .....

.....

Date ..... Place ..... Signature .....

A

B

C

D

E

F

G

H

J

K

L

M

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A-Z

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