

Lower limb prostheses for children

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

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

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

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

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

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

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

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1S30 SACH foot for children

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

Order example

Reference number	=	Side	Size
1S30	=	L	12
Reference number	1S30		
Heel height	10 +/- 5 mm		
Side	links (L), rechts (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	links (L), rechts (R)		
Size	12 cm	13 cm	

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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	links (L), rechts (R)							
Size	14 cm	15 cm	16 cm	17 cm	18 cm	19 cm	20 cm	21 cm
System height with 2R40	40 mm	42 mm	44 mm	46 mm	48 mm	50 mm	52 mm	54 mm
Weight (without adapter)	~95 g	~115 g	~125 g	~145 g	~175 g	~180 g	~200 g	~220 g
Colour	beige							
Max. body weight	35 kg				45 kg			



1K10 Ottobock dynamic foot for children

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

Order example

Reference number	=	Side	Size
1K10	=	L	16

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



*Solid Ankle Cushion Heel

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647G97

Modular system accessories

► Please order separately.

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.

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									



SL=42P310

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

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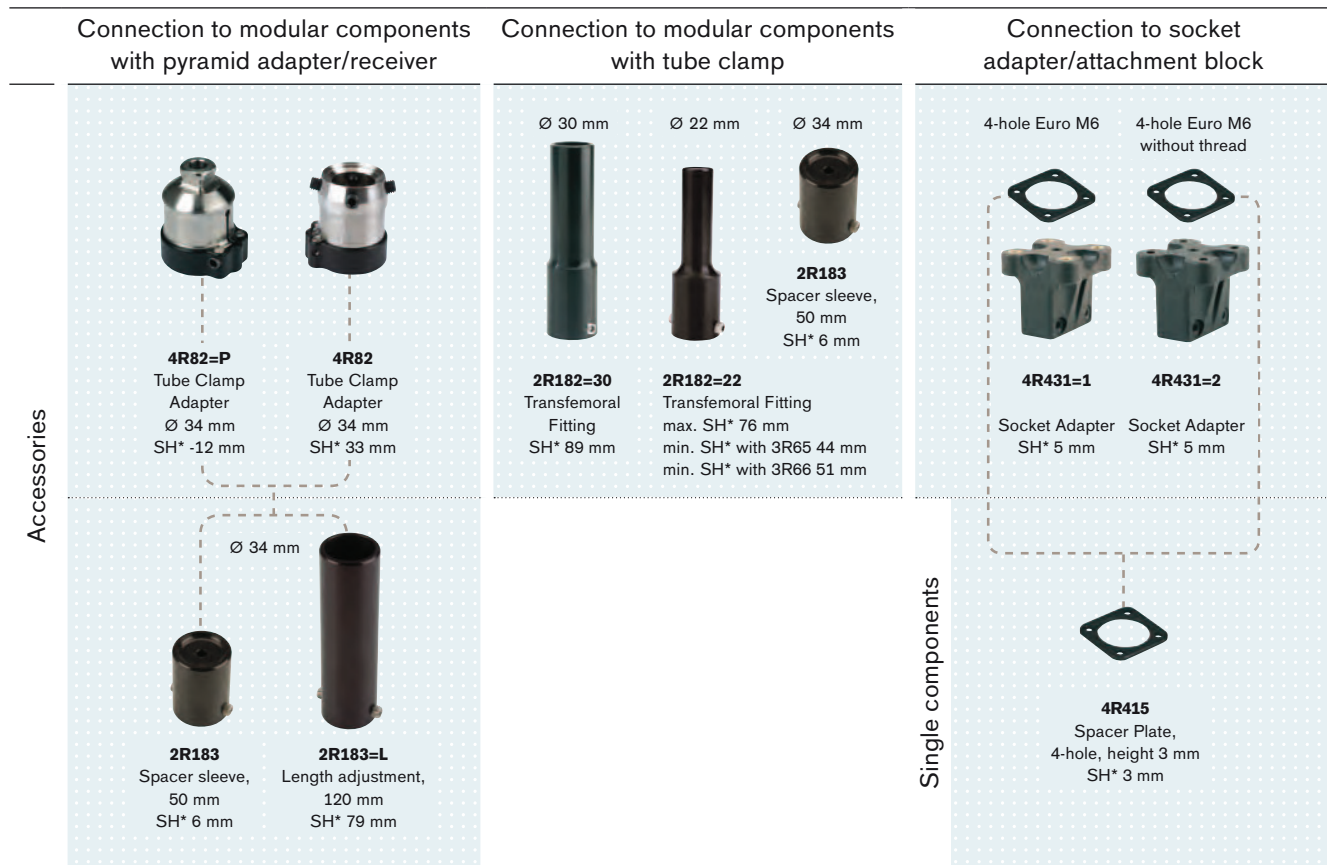
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Combination possibilities for the modular system



* 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 **MOBIS** components.



647G338=04

1E79 SL profile for children

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

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

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

1E87 Chopart footplate for children

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

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.



SL=42P303

Accessories

- Order separately as necessary.

2E3 Footshell for children

Order example

Reference number	=	Side	Size
2E3	=	L	14

Reference number	2E3									
Side	links (L), rechts (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
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SL=P071 Fill footshell foam kit

Soft, elastic foam for optional filling of the footshell.

Article number	SL=P071
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