

Otto Bock[®]

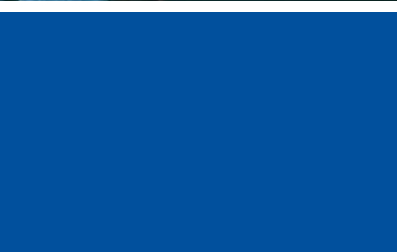
QUALITY FOR LIFE



Electrohand 2000 MyolinoWrist 2000 Interchangeable Battery

Technical Information





Children Want to Touch it All.

The fitting of children requires the highest degree of functionality. The proven Electrohand 2000 has 4 different control options to facilitate individual adaptation. The Electrohand 2000 can be positioned in any direction if it is used in combination with the newly developed MyolinoWrist 2000, a ball wrist unit with adjustable friction. Compensatory movements with the arm are largely avoided. Body movements and posture look more natural. The improved children's battery provides power. The development of the cell technology has given it greater capacity – to further enhance fittings for children.

Electrohand 2000

Children learn about the world by touching it. The Otto Bock Children's Hand System 2000 offers many possibilities for this. The 4-in-1 Controller LS lets users select from four different controls with colored coding plugs:

1. **DMC** (Dynamic Mode Control)
2. **DMC Low Input** for the fitting of children with low EMG signals
3. **EVO** (Electronic Voluntary Opening) with one electrode
4. **Digital Control**

This lets users achieve the best individual control options at all times.

(1) Otto Bock Electrohand 2000 for the MYOBOCK System, 4.8 Volts

Suited for all residual limb lengths. With passive wrist rotation and central power motor, without cosmetic glove, without 4-in-1 Controller LS and without lamination ring.

Available in four sizes:

Size 5 for children from 1 ½ to 3 years old

Size 5 ½ for children from 3 to 6 years old

Size 6 for children from 5 to 10 years old

Size 6 ½ for children from 8 to 13 years old

Order no.	Side	Size	Lamination ring	Cosmetic glove
8E51=L5	left	5*	10S16=34	8S20=136x41 L...
8E51=R5	right	5*	10S16=34	8S20=136x41 R...
8E51=L5 ½	left	5 ½*	10S16=34	8S20=147x45 L...
8E51=R5 ½	right	5 ½*	10S16=34	8S20=147x45 R...
8E51=L6	left	6*	10S16=38	8S20=162x56 L...
8E51=R6	right	6*	10S16=38	8S20=167x56 R...
8E51=L6 ½	left	6 ½*	10S16=38	8S20=177x64 L...
8E51=R6 ½	right	6 ½*	10S16=38	8S20=177x64 R...

Technical Data					
		Size 5	Size 5½	Size 6	Size 6½
Operating voltage	V	4.8	4.8	4.8	4.8
Average current consumption (approx.)	mA	200	200	200	200
Opening width	mm	33	35	54	56
Maximum gripping strength (approx.)	N	15	35	55	55
Weight (without cosmetic glove)	g	86	115	125	130

(2) 4-in-1 Controller LS

The 4-in-1 Controller LS facilitates multiple fittings, including long forearm residual limbs and hand exarticulation. It offers four different control options, indicated by coding plugs of different colors.

(3) Coding Plugs

The 4-in-1 Controller LS provides a colored coding plug to select between 4 controlling programs and between right and left arm prostheses:

Order no.	Size
9E369	5
9E370	5 ½, 6, 6 ½

Order no.		Side	Function
13E184=1	white	L	2 electrodes - digital
13E184=2	red	R	2 electrodes - digital
13E184=3	green	L	2 electrodes - DMC
13E184=4	blue	R	2 electrodes - DMC
13E184=5	yellow	L	2 electrodes - DMC Low Input
13E184=6	violet	R	2 electrodes - DMC Low Input
13E184=7	orange	L	1 electrode - EVO
13E184=8	black	R	1 electrode - EVO

MyolinoWrist 2000



The MyolinoWrist 2000 is a mechanical friction wrist that complements the children's hand system. It is exclusively compatible with the Otto Bock Electrohand 2000.

It can be used with all 4 sizes (5, 5 ½, 6, 6 ½) of the Electrohand 2000 and on both sides. The wrist is available with a lamination ring or can be glued into the pre-fabricated forearm or elbow components.

Additional degrees of freedom for children's prostheses are especially important for the ongoing development of the child. The early avoidance of unnatural compensatory movements with the arm and shoulder support a physiologically correct body posture.

The positioning of the hand with flexion of up to 30° is possible in all directions when combined with hand rotation. It offers many possibilities for the positioning of the Otto Bock Electrohand 2000.

The friction can be adjusted with the accompanying offset Allen key.

Two variations:

10V51=1 (for laminating)

10V51=2 (for gluing into the prefabricated components)

Interchangeable Battery and Battery Charger for the Children's Hand System 2000

Application

The 757B13 Otto Bock Interchangeable Battery is to be used exclusively as a power supply for upper extremity prostheses. The 757B13 Otto Bock Interchangeable Battery is a rechargeable power source, especially for the Children's Hand System 2000.



Description

The small and compact design of the battery lets it be integrated into the appropriate socket shapes. The 757Z149 Battery Mounting Set is required to mount the Otto Bock interchangeable battery into the prosthetic socket. An improvement in battery technology ensures greater capacity of 300 mAh. The battery also contains a fuse and is equipped with a slide switch, which can be used to disconnect the complete voltage supply.



Installing and Turning on the Battery

Place the interchangeable battery into the battery mounting set and push it down until the locking lever engages. The electrical contact will be established as soon as the mechanical lock is engaged. To turn on the battery, move the switch to position "1". The supply of power is disconnected when the switch is in position "0".

Charging the Interchangeable Battery

Only use the 757L13 Otto Bock Pulse Charger for charging the interchangeable battery. Up to two batteries can be charged simultaneously in the charger. This will automatically bring the slide switch into position "1". The respective LED for each battery will now light up. The charging time for one empty battery is approx. 7 to 8 hours. The charging process must be stopped manually by taking out the batteries.



Technical Data

Capacity	300 mAh
Nominal voltage	4.8 volts
Final discharge voltage	4.0 volts
Weight	45 g
Operating temperature	0 – 40°C
Dimensions	69 × 26.5 × 14.5 mm



Technical modifications and printing errors reserved.

Otto Bock®

QUALITY FOR LIFE

Otto Bock HealthCare Deutschland GmbH

Max-Näder-Straße 15 · 37115 Duderstadt · Telefon 05527 848-3411 · Telefax 05527 848-1414 · healthcare@ottobock.de · www.ottobock.de

© Otto Bock · OK 6460326=D_05.09/1