

# Prosthetic Wrists

## Wrists for VASI Electric Hands

The VASI Short Oval and Short Round wrists are suitable for children with long residual limbs and natural pronation. The Short Friction wrist is suitable for children with a long limb needing a friction adjustment. The standard Friction wrist and the LTI-Houston FlexiWrist are suitable for shorter limbs.



**VSO03** Short Oval Wrist 0-3 for VASI 0-3 Electric Hands (shown)

**VSO26** Short Oval Wrist 2-6 for VASI 2-6 Electric Hands

**VSO59** Short Oval Wrist 5-9 for VASI 5-9 & 7-11 Electric Hands



**VSR03** Short Round Wrist 0-3 for VASI 0-3 Electric Hands (shown)

Single groove for lamination; 1.38" (35mm) in diameter

**VSR26** Short Round Wrist 2-6 for VASI 2-6 Electric Hands

Single groove for lamination; 1.46" (37mm) in diameter

**VSR59** Short Round Wrist 5-9 for VASI 5-9 & 7-11 Electric Hands

Single groove for lamination; 1.65" (42mm) in diameter



**VSF03** Short Friction Wrist 0-3 for VASI 0-3 Electric Hands (shown)

Single groove for lamination; 1.46" (37mm) in diameter

**VSF26** Short Friction Wrist 2-6 for VASI 2-6 Electric Hands

Single groove for lamination; 1.70" (43mm) in diameter

**VSF59** Short Friction Wrist 5-9 for VASI 5-9 & 7-11 Electric Hands

Single groove for lamination; 1.70" (43mm) in diameter



**VFR03** Friction Wrist 0-3 for VASI 0-3 Electric Hands (shown)

Three-groove lamination collar, 1.13" (28.6mm) in diameter

**VFR26** Friction Wrist 2-6 for VASI 2-6 Electric Hands

Three-groove lamination collar, 1.46" (37mm) in diameter

**VFR59** Friction Wrist 5-9 for VASI 5-9 & 7-11 Electric Hands

Three-groove lamination collar, 1.46" (37mm) in diameter



**VEF03** Elbow Friction Wrist 0-3 for VASI 0-3 Electric Hands

**VEF26** Elbow Friction Wrist 2-6 for VASI 2-6 Electric Hands

**VEF59** Elbow Friction Wrist 5-9 for VASI 5-9 & 7-11 Electric Hands

Wide three-groove collar for cementing into VASI elbow forearm 1.57" (40mm) in diameter

# Prosthetic Wrists

## VASI OmniWrists™ For All Types of Hands



Pediatric OmniWrist with VASI Electric Hand

- **Wrist can bend 25° in any direction**
- **Separate friction adjustments for axial rotation and for bending**
- **Low profile – hand to proximal edge of lamination collar as little as 0.8”**
- **Can be used with most manufacturer’s prosthetic hands**
- **Sizes for adults and children**
- **Straight and tapered lamination pieces**

OmniWrists are now available for both adult and children’s prosthetic hands. They are compatible with most manufacturer’s hands and grippers. The children’s OmniWrists are supplied with a 1” diameter ball and the adult OmniWrists are supplied with a larger (1¼” ball) for better support and greater friction adjustment. Small adult hands can be supplied with which ever size OmniWrist is more cosmetically appealing.

### OmniWrists for VASI Electric Hands



**VOM03L** OmniWrist 0-3 for VASI 0-3 Electric Hands, Long Slim  
Single-groove lamination collar is 1.37” (35mm) in diameter. Use for good cosmesis when there is room for the extra 7mm in length.



**VOM03** OmniWrist 0-3 for VASI 0-3 Electric Hands  
**VOM26** OmniWrist 2-6 for VASI 2-6 Electric Hands (shown)  
**VOM59** OmniWrist 5-9/7-11 for VASI 5-9 & 7-11 Electric Hands  
Single-groove lamination collar is 1.7” (43mm) in diameter.



**VEO03** Elbow OmniWrist 0-3 for VASI 0-3 Electric Hands  
**VEM26** Elbow OmniWrist 2-6 for VASI 2-6 Electric Hands (shown)  
**VEM59** Elbow OmniWrist 5-9/7-11 for VASI 5-9 & 7-11 Electric Hands  
Straight-sided, Multi-groove lamination collar is 1.57” (40mm) in diameter. Use with VASI prosthetic elbows.

# Prosthetic Wrists

## OmniWrists for Otto Bock Hands

- A Bock 8E41 Hand equipped with an OmniWrist weighs 34 grams *less* than a Bock 8E38 Quick Disconnect Hand with its wrist collar
- It is 0.28" (7mm) *shorter* from the thumb tip to the proximal edge of the lamination collar

An OmniWrist has been especially designed for use with Otto Bock 2000 hands. For the other Bock hands there are several choices. The *quick* choice is the VOMB-01 that accepts a Bock 10S1=45 Wrist. This combination uses off-the-shelf components. A lighter and shorter wrist adapter is offered in the VOMB-03 using a metric-stud hand. All large Bock hands are available as 8E41 Hand with M12x1.5 threaded stud. They may not be stocked in the U.S., resulting in a 4-6 week delay. Alternatively you can have Bock convert an 8E38 hand. You will pay for parts and labor and own a left over QD Chassis. This choice only makes economic sense when you want the VOMB-04 OmniWrist that has a QD wrist so that your client can use a Bock Rotator. In this case LTI will use the left over QD wrist to make the VOMB-04 reducing the price of the OmniWrist assembly.



### VOMB-2K OmniWrist For 8E51 Bock 2000 Child Hands

Single-groove lamination collar is 1.7" (43mm) in diameter. Ready for installation of the Bock 9E371 Contact Plate.

This wrist can be fitted with a straight lamination collar for use with VASI electric elbows.



### VOMB-01 OmniWrist To Accept Bock 10S1=45 Collar

Single-groove lamination collar is 1.7" (43mm) in diameter. Use the 10S45 Collar regardless of the size of the Bock hand. The distance from the proximal edge of the OmniWrist to the distal edge of the 10S1 is 1.08" (27.5mm).

Cannot be used with Bock wrist rotators.



### VOMB-02 OmniWrist for Bock 8E41 Small Hands (metric thread)

Uses 1" diameter ball for smaller hand sizes. Single-groove lamination collar is 1.68" (43mm) in diameter



### VOMB-05 OmniWrist for Bock 8E41 Large Hand (metric thread)

Uses 1 1/4" diameter ball for larger hand sizes. Single-groove lamination collar is 1.68" (43mm) in diameter

## *Prosthetic Wrists*



### **VOMB-03** OmniWrist With Bock QD For 8E41 Hand (metric thread)

LTI will wire the QD wrist to a customer-supplied 8E41 Hand.  
Includes spacer to allow full movement of wrist unit.

### **VOMB-04** OmniWrist With Bock QD For Converted 8E38 Hand

LTI will wire the QD wrist through the OmniWrist and to a customer supplied 8E38 hand that Bock has converted. Customer will supply left over QD chassis.  
Includes spacer to allow full movement of wrist unit.

## *OmniWrists to accept 1/2"-20 studs*

Most split hooks have 1/2"-20 studs and all RSLSteeper hands except the SCAMP Hand may be equipped with 1/2"-20 stud plates that are offered elsewhere in this section. Connectors on Steeper electric hands will fit through the stud plates.



### **VOMTH** OmniWrist With 1/2"-20 Threaded 1" Ball for Children's Hands



### **VOMTH-05** OmniWrist With 1/2"-20 Threaded 1 1/4" Ball for Adult Hands



### **VOMTH-QD** OmniWrist, 1/2"-20 Ball Attached To Bock QD

For swapping with another Bock QD device or using with the 10S17 Wrist Rotator.  
Includes spacer to allow full movement of wrist unit.

# Prosthetic Wrists

## OmniWrist for RSLSteeper SCAMP Hands



**VOM-ST1** OmniWrist, RSLSteeper SCAMP 0-3 child's hand

**VOM-ST2** OmniWrist, RSLSteeper SCAMP 2-6 child's hand

Single-groove lamination collar is 1.68" (43mm) in diameter

This wrist can be fitted with a straight lamination collar for use with VASI electric elbows.

## VASI Wrist Rotators

The VASI Electric Wrist Rotator provides an effective solution for high-level amputees requiring powered-hand positioning assistance. The Rotator is compatible with all VASI hands, including the V0-3, V2-6, V5-9 and V7-11 hands. As well, the unit is suitable for hook type terminal devices. The unit provides controlled pronation and supination with 325 degree rotation. It weighs only 3.5 oz (100 g) and can rotate 32 degrees in a second. The stall torque is 3.4 in-lb. VASI Rotators can be controlled directly by switches or by using an LTI VariGrip Controller activated by myoelectrodes, Touch Pads™, or a Linear Transducer.

Replace the suffix "**XX**" with the appropriate hand plug code: **-EL** electric hand plug, **-MY** myoelectric hand plug.



**VR03SM-XX** VASI Standard Electric Wrist Rotator, 0-3 Hand

**VR26SM-XX** VASI Standard Electric Wrist Rotator, 2-6 Hand

**VR59SM-XX** VASI Standard Electric Wrist Rotator, 5-9/7-11 Hand

**VRTHSM** VASI Standard Electric Wrist Rotator, 1/2-20 TD

These wrists are supplied with a 37mm diameter lamination collar. To fit the 40mm diameter forearm of a VASI V38 or V812 Elbow substitute LG for SM in the catalog number.



**VRM03LG-XX** VASI OmniWrist Electric Wrist Rotator, 0-3 Hand

**VRM26LG-XX** VASI OmniWrist Electric Wrist Rotator, 2-6 Hand

**VRM59LG-XX** VASI OmniWrist Electric Wrist Rotator, 5-9/7-11 Hand

**VRMTHLG** VASI OmniWrist Electric Wrist Rotator, 1/2-20 TD

These wrists are supplied with a 1.58" (40mm) diameter lamination collar suitable for lamination or fitting to the VASI V38 and V812 Elbows.

**Cosmesis when using an OmniWrist.** When you place a cosmetic glove over an OmniWrist, there is nothing to support the glove, so it will sag into the wrist area. To correct this, make a soft foam sleeve to go around the wrist. Shape the foam to support the glove while still allowing the wrist to bend.