TABLE OF CONTENTS

Air-Lock .....................................2
Easy-Off Lock .............................4
Grommet Lock ..............................6
Connectors ...................................8
Proximal Lock .............................10
Summit Lock ..............................12
Adhesive ....................................13
Accessories .................................14
Valves .......................................16
Lanyard .....................................17
Dynamic Strut AFO ..............18
Tools ........................................20
Measuring ....................................22
Leg Bag .....................................23
Coyote CFAB ............................24
Coyote Composite ...............26
Warranty .................................29

Need more product info?
Visit us at coyotedesign.com for more information, videos, tips and instructions.
At Coyote we’re not only concerned with making quality products, but also with creating a quality place to work and live. Our efforts toward a friendly, environmentally responsible workplace have earned us a Blue Ribbon Small Business Award from the U.S. Chamber of Commerce.

Made in the USA
More than 90 percent of our products are made in the USA. Most are made within a few miles of our home office in Boise, Idaho.

419 N. Curtis Rd.
Boise, Idaho 83706
www.coyotedesign.com
(208) 429-0026
A lightweight, dual-suspension pin system designed to combine suction suspension comfort with pin suspension security. The airtight seal prevents air from coming into the bottom of the socket, creating suction and reducing pistoning even without a sleeve! Also available with a longer pin for patients who struggle with pin engagement.

- Suction allows for less traction on the limb for increased comfort and decreased liner wear
- Expulsion valve or suspension sleeve are not needed to maintain suction in most cases
- Water-resistant
- Do not use with elevated vacuum

**CD103WH**
Lock wrench
Makes maintenance easy.
CD103 | Air-Lock  
Patent No. 6334876

CD103S | Small Air-Lock

CD103SD | Deep Small Air-Lock

CD103D | Deep Air-Lock

CD103P8S  
Extra 8-click Solid Pin
2K pin option for low activity patient
1.3" long. Includes spacers.

CD103P11H  
Extra 11-click Brass Pin
For active, heavier patients
350 lbs capacity
1.65" long. Includes spacers.

CD103P11  
Extra 11-click Pin
1.65" long. Includes spacers.

CD103P8H  
Extra 8-click Brass Pin
For active, heavier patients
350 lbs capacity
1.3" long. Includes spacers.
Very similar to the Air-Lock in that it stays airtight to create suction in the socket, the Easy-Off Lock can be used with elevated vacuum. Its unique lever design also makes doffing easy, especially for amputees with hand strength issues, arthritis or trouble reaching the release button.

- Easy donning and doffing with lever release
- Self-lubricating materials reduce wear
- Water-resistant
- Can be used with elevated vacuum
- Airtight “suction” or vacuum suspension with the safety and security of a pin
**CD117 | Easy-Off Lock**


**CD117D | Deep Easy-Off Lock**

with long pin

**CD103P11**
Extra 11-click Pin
1.65" long. Includes spacers.

**CD103P8H**
Extra 8-click Brass Pin
For active, heavier patients
350 lbs capacity
1.3" long. Includes spacers.

**CD103P11H**
Extra 11-click Brass Pin
For active, heavier patients
350 lbs capacity
1.65" long. Includes spacers.
Designed with pediatric patients in mind, the Grommet Lock is simple, lightweight and durable for use with upper and lower extremity. Just like our adult locks, it has multiple connector options for fabrication of a lower extremity prosthetic.

- Pediatric only
- Lightweight, durable plastic
- Water-resistant
- Can be modified for minimum clearance
- Can be used in upper and lower extremity prosthetics
- Three thread options for any liner type
- Weight limit of 100 lbs

**ADDITIONS**

**CD103PFF | Pediatric Fast Four Connector**
Pediatric 4-hole connector that keys directly onto center of lock. 100 lb weight limit.

**CD103PAF | Pediatric Alignable Connector**
Can be used to offset the connector by up to 0.25". 100 lb weight limit.
CD104TM | Grommet Lock
10mm Pin

CD104QT | Grommet Lock
1/4 x 20 Thread Pin

CD104SM | Grommet Lock
6mm Pin

CD104P10 | Extra 10mm Pin For CD104TM

CD104P6 | Extra 6mm Pin For CD104SM

CD104PQ | Extra 1/4 x 20 Pin For CD104QT

CD104P6H | Extra 6mm Pin For CD104SM

CD104P6H | Extra 1/4 x 20 Pin For CD104SM
CD103AF | **Alignable Connector**
Up to 0.6" of offset, 35g. Ideal for use with Air-Lock and Easy Off Locks. Can be glued to the lock in any offset position for fabrication into the socket, or keys directly onto locks when used with inserts. Eliminates need for offset components. For laminations or thermoforming. 265 lb weight limit.

CD103MDI | **Multi-Direction Insert**
Up to 0.33" offset in two directions. Installed into connector to allow connector to be keyed onto bottom of lock in centered position or offset in two directions. For laminations or thermoforming. Use with Alignable Connector or One-Shot Connector.

CD103SDI | **Single-Direction Insert**
Up to 0.33" of offset in one direction. Installed into connector to allow connector to be keyed onto bottom of lock in centered position or offset in one direction. For laminations or thermoforming. Use with Alignable Connector or One-Shot Connector.

CD111 | **One-Shot Connector**
Up to 0.6" offset, 44g. Connector with tie off ring for easier lay-ups. Lower profile than Alignable Connector. Can be glued to lock in desired location or keyed onto lock using inserts. For laminating only. 265 lb weight limit.
**CD119SC | Test Socket Connector**

Economical, cost effective, easy way to glue on connector designed specifically for Vivac check sockets. Connects to standard four hole componentry with our new high strength bridging design. Bonds well with Coyote Quick Adhesive. 11/16”height, 2 3/4” diameter, reusable.

**CD106 | Alignment Coupler**

Offset for ML and AP of 0.64”. Easily installs on four hole connector. Easy to adjust with 3mm wrench. For fitting purposes only. 265 lb weight limit.

**CD103PFF | Pediatric Fast Four Connector**

Pediatric four-hole connector that keys directly onto the center of the lock for easy and fast fabrication. Used with Grommet Lock or Small Air-Lock. For laminations or thermoforming. 100 lb weight limit.

**CD103PAF | Pediatric Alignable Connector**

Pediatric four-hole connector that keys directly onto the center of the lock for easy and fast fabrication. Used with Grommet Lock or Small Air-Lock. Laminating or thermoforming. This model can be used to offset the connector from the bottom of the pin in virtually any location by up to 0.25".
PROXIMAL LOCK

Simply easier. Designed to control rotation and be more user-friendly, the Proximal Lock attaches over a larger area, which distributes weight more evenly. The adhesive included with each lock is flexible even after it sets, making donning simpler.

The Proximal Lock now includes a reinforcement strip for extra reinforcement, less friction and repair.

ADDITIONS

**CD116XS | Extra Strap Kit**
For additional liners. Includes strap and liner attachment.

**CD116SA | Silicone Adhesive for Proximal Lock**
Additional adhesive if needed. A tube is included with each lock.
ZERO CLEARANCE lock
Controls rotation
Use with your choice of distal adapters
Ideal for long limbs with minimal clearance
Larger attachment distributes more tension
Flexible attachment rolls on easier
Can be used with seal band liners
Adhesive included with each lock
Lock can be retrofit
Bills like a distal pin lock system (L5671)

CD116  |  Proximal Lock

Includes liner attachment, lock, fabrication dummy, glue form, and adhesive.

Patent No. 6666894, 7431738, 7077868.
Other patents pending.
Specifically for long limbs, the Summit Lock is designed to control rotation and requires zero clearance! There’s no need to purchase a locking liner and you can use any socket adapter. CD101 can be retrofit.

- Liner attachment shape makes the liner simple to roll on
- Easy to cover cosmetically
- Ergonomic tab feeds easily into lock

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**ADDITIONS**

**CD101 | Summit Lock**

AK BK AE BE PED
Patent No. 6666894

**CD102 | Lowpro Summit Lock**

AK BK AE BE PED
Patent No. 6666894

**CDDMA51 | Dispenser 50cc cartridge**
Dispenser for CD4150 adhesive. Easy to control flow, light-weight.

**CD401 | 6-Pack Extra Mix Tips**
For 50cc cartridge

**CD402 | 20-Pack Extra Mix Tips**
For 50cc cartridge
ADHESIVE

Coyote Quick Adhesive our go-to adhesive. Great for any situation when you need something glued quickly and easily.

**CD4150 | Quick Adhesive**
- Great for attaching componentry
- Multiple repairing uses
- Very quick set with no sag

30 Second, 50cc cartridge. Dispenser or plunger required; includes 1 mix tip.

**CD4150P**
- Coyote Quick Adhesive with Plunger
- 50cc cartridge, plunger and 1 mix tip

**CD4250 | Smooth Adhesive Black**
- Stays flexible when cured
- Bonds well to fabric, plastic and metal
- Longer set time with no sag
- Easy to smooth
- Use for attaching componentry

60 Second, 50cc cartridge. Dispenser or plunger required; includes 1 mix tip.

*Both Adhesives ship non-hazardous and are safe with no odor.*
The Integrator™

The Integrator Socket Adapter, when used with one of our connectors, can be built into alignment in one step with a clean inside socket finish. Ideal for AK or BK sockets.

**CD108**  |  **Integrator™ (2 3/8" diameter)**  
Standard size, fits most lower extremity limbs. Integrator glues to mold. Alignable Connector with or without inserts is keyed onto Integrator and both parts are fabricated into socket. 265 lb weight limit. Thermoforming or laminating.

**CD108S**  |  **Small Integrator™ (2" diameter)**  
Smaller size for smaller limb shapes. 265 lb weight limit. Thermoforming or laminating.
**CD103FL | Fitting Lock**

Air-Lock housing with reinforced distal end for accurate evaluation of lock pin spacing to improve seating of pin in lock. Ideal for reducing play in lock. Contact Coyote Design for long pin (Deep Air-Lock) fitting locks. For fitting only.

**CD103RBC | Release Button Cover**

Added to end of release button to make it easier for patients to release the lock. Ideal for geriatric patients or others with lower dexterity or limited hand strength.

**CD103ELP | Exo Lamination Plug**

Used when fabricating the Air-Lock in Exo sockets.

**CD103FD | Fabrication Dummy**

Recommended for fabrication of flexible inner liners or for inner layer of PETG with Elevated Vacuum. NOT used in “drop-in” system.
Coyote Designs auto expulsion valves are easy to install in new sockets with fabrication tooling or retrofit. The built-in auto expulsion quietly expels air all day with no fuss and feature a higher “crack” pressure than most valves, which helps to create a higher level of hypobaric suspension.

**CD105 | CQL Auto Expulsion Valve**

- Height: 11mm. Patent pending.
- Easy to clean and retrofit
- Quiet expulsion
- Low profile
- Includes a filter to block debris

**CD105HF | HandsFree Valve**

- Height: 8.5mm. Patent pending.
- Works with seal band liners
- Manual twist open airflow
- Flexible inner style valve

**CD105PB | Push Button Suction Valve**

- Height: 17mm Diameter: 40mm
- Push button suction release
- Works with flexible inners

**CD103WH | Lock wrench**

Makes maintenance easy.
This is a simple, lightweight, ultra low build height lanyard lock that helps pistoning. Like our other locks, it has multiple connector options for fabrication of a lower extremity prosthetic. The lanyard is segmented making easy length adjustments. They work well for simple visual donning and doffing and have 1K to 4K activity levels.

CD120 | Lanyard Plastic Puck

CD121 | Lanyard Metal Puck

CD120L | Lanyard & 
low profile screw

24 inch strapping,
(puck not included)

Distal end of metal puck
AFO Strut Choices

**CD205R (Rigid Flex)**
Patient Weight Range: 175 – 265lbs
Patient Activity Level: Medium Activity Level

**CD205M (Medium Flex)**
Patient Weight Range: 125-200lbs
Patient Activity Level: Light to Medium Activity

The strut is designed for average daily use; walking, working, hiking, biking, golf. Has not been tested with running.

Over time the strut may wear out but is easy and inexpensive to replace.

*Replacement strut part numbers (Rigid Flex - CD205RS, Medium Flex - CD205MS)*

Testimonials and demonstration videos can be found at www.coyotedesign.com

*Instructions and instruction video is available with fabrication kit purchase.*
**Dynamic Strut AFO**

Our posterior dynamic strut AFO combines the fit and comfort of a custom AFO with a posterior mounted dynamic strut for optimal ambulation. The strut is mounted to a custom thermoformed AFO.

Purchase struts and tooling from Coyote Design. Then fabricate in your own facility or we can make the entire custom brace for you.

The Dynamic Strut AFO was designed for moderately active patients and has not been tested for running. Medium active patients or patients 175 lbs to 265 lbs should use the CD205R (Rigid) for greater durability.

Great for drop foot; the Dynamic Strut AFO also improves gait and is designed with afford ability and adjust ability in mind.

*This product can be fabricated by Coyote Designs CFAB. Go to coyotedesign.com/c-fab for work order and instructions.*
CD301 | Extractor Socket Removal Tool

The Extractor quickly and easily removes most molds from the laminated or thermoformed socket without damaging the mold or socket. Includes adapter for sockets with four-hole connectors.

CD307 | Plaster Spreader

Used for build-ups during modifications. The tool is easy to clean and won’t stick to plaster.

CD309 | Modification Handle

Allows for modifications while keeping fingers and knuckles clear of abuse. Easy to clean and replace blades, and reduces blade breakage. Works with 10" Stanley Surform Blades, flat- or half-round.

CD311 | 12 oz Mixing Bowl

Made of non-stick, durable material, it’s easy to grip and clean. Wide base won’t tip over.
**CD306 | Casting Bungee**

Adjustable length allows you to keep casting stockinette pulled taut during the casting process on virtually any patient. Use during casting for wrinkle free casts.

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**CD308 | Casting Bag**

The Casting Bag, as seen in Q School workshops, is ideal for casting over to keep the liner clean. Sold in packs of 100.

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**CD302 | Pylon Spacers**

Easily make incremental height adjustments during the fitting process without leaving the exam room. 1/8" or 1/4" available. Sold in packs of two of each size.

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**CD103SFC | Small Casting Dots (200 pk)**

**CD103LFC | Large Casting Dots (50 pk)**

Easily mark problem areas during the casting process. The adhesive back will keep them in place during casting. 0.375" or 0.87" diameter.
This ML Gage and Goniometer were designed specifically for measuring prosthetic and orthotic patients. Priced right and built to last. They are the same gage and goniometer you see being used in our Q Schools on-line casting and modification classes.

CD317 | ML Gage

CD318 | Goniometer

CD319 | Adjustable AFO Casting Board

Simple tool for adjusting heal heights. Increase or decrease the number of plates depending on heal height when casting AFOs.

As seen in AFO class at opqschool.com
LEG BAG

This is a well built heavy canvas leg bag with an internal pocket, handle straps, shoulder harness and clear identification pocket. Great quality at a great price. Comes in two sizes one 45 inch for AKs and 39 inch for BKs.

**CD031 | Coyote BK Leg Bag 39” bag**

AK  BK  PED

**CD045 | Coyote AK Leg Bag 45” bag**

AK  BK

31” bag is displayed

**CD010 | Coyote Design Apron**

Take care of your clothes in the lab with this inexpensive Coyote Design Smock. One size fits all.
COYOTE CFAB

You’ve liked our products, try our central fab.

You like Coyote products and you like your modification methods you can send us a modified mold and we will fabricate using our products and fabrication methods.

To have us modify your mold please take our on-line courses at opqschool.com.

If you are sending AFO’s please take “AFO Casting and Fabrication Methods.” If you will be sending prosthetics please take “StabileFlex Transtibial Socket Design.” Both courses are worth CE-credits.

By creating a consistent process we feel this will help make all of us more efficient and obtain more consistent results.

Go to coyotadesign.com/c-fab for work order and instructions.
The most comfortable sleeve on the market. It also features antibacterial deodorizing properties, and can be washed and repaired. This is an ideal sleeve for compliant patients needing more movement in the knee. All this, and it’s airtight for use in suction sockets.

- The most comfortable sleeve on the market
- Available in 6 sizes, in beige and black
- Comes with one sleeve protector and one piece of repair tape

Ordering options

<table>
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<th>Size</th>
<th>Knee Center</th>
<th>4&quot; Above Knee Center</th>
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<tr>
<td>SS</td>
<td>270-300 mm</td>
<td>380-430 mm</td>
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<tr>
<td>S</td>
<td>300-350 mm</td>
<td>430-500 mm</td>
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<tr>
<td>M</td>
<td>345-375 mm</td>
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<td>L</td>
<td>360-420 mm</td>
<td>560-630 mm</td>
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<tr>
<td>LL</td>
<td>370-440 mm</td>
<td>610-680 mm</td>
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</table>

To order use CD107 followed by the size (listed above) and the color (BK=Black, BE=Beige). A small black sleeve is CD107S-BK.
COYOTE COMPOSITE

A great alternative to itchy, expensive carbon fiber braid! Coyote Composite, is made from basalt filament, a safe, tough material for composite sockets and AFOs. Also relatively easy to cut and finish compared to other materials.

- Extremely durable
- Resistant to cracking
- Less itch than carbon
- Non-carcinogenic and non-toxic
- Strong and lightweight
- Finishes smooth, with superior resin saturation
- Unique dampening characteristics
- Less expensive

![Graph showing comparison of Rigid carbon fiber lay-up, Rigid Coyote Composite lay-up, and Co-poly socket.](image)
**Resin**  Coyote Composite works with typical prosthetic resins and saturates much better than carbon.

**Saturation and Laminating**  Because of its superior saturation it’s important to prevent resin starvation. Lamination starvation will cause frayed edges.

**Finishing**  Coyote Composite finishes easily. Use sharp tooling at slow speeds to finish. In some cases, you may need to wet-sand.

**Relieving**  Coyote Composite is heat- and flame-resistant and isn’t damaged by heating. It allows for limited adjustment based on the type of resin used.

**Safety**  Because of the inert nature of basalt, it is not a carcinogen. Also, Coyote Composite is between 9 and 16 micrometers in diameter, which is too large to be an inhalant risk. Basalt also causes significantly less skin irritation.
**Braid**  Our proprietary braid was designed to be used in equivalent amounts to carbon. Coyote Composite is more flexible than carbon (we consider this to be an advantage), but if you need to match the rigidity of a carbon socket, use additional layers of stockinette and/or carbon tape.

**Fabric**  Coyote Composite fabric sheeting can be used for reinforcement layers of heavy duty sockets and/or AFOs. The material is thin and lightweight which allows for greater flexibility in adding the ideal amount of reinforcement.

<table>
<thead>
<tr>
<th>Fabric</th>
<th>Type</th>
<th>TPI*</th>
<th>Length/(ft)</th>
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<tbody>
<tr>
<td>CD</td>
<td>F</td>
<td>350</td>
<td>3</td>
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**Fabric available in**
- .17 mm Thickness
- Has a Bi-directional weave

**Ordering options**

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<thead>
<tr>
<th>Braid</th>
<th>Type</th>
<th>Size (in)</th>
<th>Length/(ft)</th>
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2-Year Warranty

You want products to last and we want to learn how to make them last longer. This is why we offer a TWO YEAR warranty from date of purchase on all our products* against manufacturers defects, excessive wear or breakage. You don’t even pay for shipping.**

1. Call and let us know that you need a part replaced. (208) 429-0026.
2. We ship you a new part. We’ll need a PO, as we will still invoice you for the part and the shipping.
3. We fax or email you a Return Authorization Form and you fill it out.
4. Ship the damaged part and completed form to us. Charges bill to our UPS account.
5. After inspection and approval** of returned part, we will issue you a credit. No charge for ground shipping.

* Warranty does not apply to the Coyote Suspension Sleeve (CD107)
A 90 day limited warranty applies to the Dynamic Strut AFO (CD205R, CD205M) call for details.
** Parts must be used under reasonable and normal circumstances.
Get access to new techniques and methods right from your office or home through our first-level educational programs available on-line.

Once you’ve covered the on-line course and are ready to learn more, you can attend one of our hands-on workshops in Boise. Rather than watching our instructor fit a patient, you’ll be fitting them yourself and gaining a clinical and technical education that you can apply to your own practice. Transtibial and AFO workshops, as well as technical workshops available.

More information available at www.opqschool.com