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ABOUT COYOTE

At Coyote we are not only concerned with making quality products and providing excellent customer service, 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.

Front Cover
Tom Whittaker, in 1998 was the first amputee to summit Mt. Everest. He mountain-merred the summit using a prosthesis designed and built by Coyote® co-founder Dale Perkins, CPO.

Need more product info?
Visit us at www.coyoteprosthetics.com for more information, videos, tips and instructions.

Coyote Prosthetics & Orthotics
419 N. Curtis Rd.
Boise, Idaho 83706
www.coyoteprosthetics.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! For patients who struggle with pin engagement, use the Deep Air-Lock with the 11 click pin.

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

Pins are now sold separately and come in a two pack.
EASY-OFF™ LOCK

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 doffing 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

Pins are now sold separately and come in a two pack.
GROMMET LOCK

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 prosthesis.

CD104 | Grommet Lock

- 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 (10mm, 6mm, 1/4 x 20)
- Weight limit of 100 lbs

Pins are now sold separately and come in a two pack.

DROP-IN LOCKS

CD122A | Air-Lock Drop-In
Build Height: 2.010"
First locks designed for 3D printed sockets and traditional fabrication.

- Water-Resistant
- Airtight suction - dual suspension security of a pin
- Expulsion valve or suspension sleeve not needed in most cases
- Great for 3D printed sockets

For 3D printing contact Coyote® for your STL and OBJ files.

CD122E | Easy-Off Drop-In
Build Height: 2.175"

Easy dressing and doffing with lever release.

CD122AFD | Drop-In Air-Lock Fabrication Dummy
CD122AFD - Fabrication dummy sold separately.

CD122efd | Drop-In Easy-Off Fabrication Dummy
CD122efd - Fabrication dummy sold separately.

Coyote Design Catalog | 7
CD103AF | Alignable Connector

Up to 0.6” offset, 25g. 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” 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, 25g. Connector with no 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 Vivloc cheek sockets. Connects to standard four hole componentry with our new high strength bridging design. Bonds well with Coyote Quik Adhesive. 11/16” height, 2 3/4” diameter, reusable.

CD106 | Alignment Coupler

Offset for ML and AP of 36-45°. Easily installs on four hole connector. Easy to adjust with 3mm wrench for fitting purposes only. 265 lb weight limit.

CD103PF | Pediatric Fast Four Connector

Pediatric four-hole connector that keys directly onto the center of the lock for easy and fast fabrication. Used with Grammet Lock, Small Air-Lock or Medium 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 Grammet Lock, Small Air-Lock or Medium 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 0.23”.

CD115CF | 5 Degree AK Connector

Capable of up to 1.5” offset with 5 degrees of flexion angle. Connectors primarily use is with Lanyard Flex (CD115P). Lanyard locks (CD113L, CD111L) can also be used with other Coyote® locks or the Integrator. Eliminates the need for offset components. For laminating or thermoforming. 265 lb weight limit.
ACCESSORIES
MADE IN USA

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.

CD103RFC | 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 “dripless” system.

LANYARD
MADE IN USA

This is a simple, lightweight, ultra low build height lanyard lock that helps pistoning. Our new design for the metal puck has the connector posts built in for easier layups. 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 Pack
CD121P | Lanyard Metal Puck with Posts
Integrated 4 hole connector

CD121PD | Lanyard Aluminum Dummy with Posts
Distal end of metal puck

CD121L | Lanyard Metal Puck
Integrated 4 hole connector
CD121D | Lanyard Aluminum Dummy
Distal end of metal puck
The lanyard pin helps elongate the limb when donning.
The pin gives audible confidence of engagement.
The o-ring at the end of the pin creates an airtight socket
helping to reduce air noise.

Fabrication with the 5 Degree AK Connector eliminates the need for
offset components.
Same simple fabrication as the Deep Air-Lock and Deep Easy-Off
Lock pin systems.

CD117L | Easy-Off Locking Lanyard
Lever Design / Push Button, lanyard lock

- Easy donning and doffing with lever release
- Water-resistant
- Airtight “suction” with the safety and security of a pin

CD103L | Air-Lock Locking Lanyard
Push Button Design, lanyard lock

- 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

One pin is included with the locking lanyard locks
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.

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.

---

CD116 | Proximal 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)

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

Patent No. 6491829, 7421720, 7657849. 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. CD 101 can be retrofit.

CD 101 | Summit Lock
Base Length 1.75"  
AK  BK  AE  BE  PE  
Part No. 80A4001

CD 102 | LowPro Summit Lock
Base Length 2.5"  
AK  BK  AE  BE  PE  
Part No. 80A4004

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

Liner attachment is applied with “Coyote Quik Glue” or a 5 minute epoxy. Do not use silicone based adhesive.

CDNM51 | Dispenser 50cc cartridge
Dispenser for CD4150 adhesive. Easy to control flow, lightweight.

CD401 | 6-Pack Extro Mix Tips
For 50cc cartridge

CD402 | 20-Pack Extro Mix Tips
For 50cc cartridge

Wave Suction Band

The Coyote Wave Suction Band comes in multiple sizes.

- The Suction Band helps create dual suspension in combination with our Proximal, Summit and Low-Pro Locks.
- The airtight suspension produces a more intimate fit with added security.

The Hands-Free Valve or Push Button Valve are recommended to relieve suction when donning and doffing.

**Wave Suction Band sizes**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Size</th>
<th>Circumference</th>
<th>Width</th>
<th>Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>CD100S</td>
<td>Small</td>
<td>16cm–23cm</td>
<td>7.62cm</td>
<td>4mm</td>
</tr>
<tr>
<td>CD100M</td>
<td>Medium</td>
<td>25cm–33cm</td>
<td>7.62cm</td>
<td>4mm</td>
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<tr>
<td>CD100L</td>
<td>Large</td>
<td>37cm–48cm</td>
<td>7.62cm</td>
<td>4mm</td>
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<td>CD100XL</td>
<td>Extra Large</td>
<td>49cm–64cm</td>
<td>7.62cm</td>
<td>4mm</td>
</tr>
</tbody>
</table>

Silicone adhesive is included.

The sizes are guidelines and can vary depending on the patient. Smaller sizes are more snug.
MEASURING
MADE IN USA

This ML Gauge and Goniometer were designed specifically for measuring prosthetic and orthotic patients. Priced right and built to last. They are the same gauge and goniometer as seen in our Q Schools on-line casting and modification classes.

CD317 | ML Gauge
CD318 | Goniometer

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

For fit, comfort and optimal ambulation our posterior dynamic strut is mounted to a custom thermoformed AFO. The strut is designed for average daily use, walking, working, hiking, biking, golf. Has not been tested with running.

Great for drop foot; the Dynamic Strut AFO also improves gait and is designed with affordability and adjustability in mind.

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.coyoteprosthetics.com
**CD205PS | Small Pediatric AFO Strut**

**Patient Weight Range:** up to 90 lbs.

**Patient Activity Level:** All Activity Levels

A more streamlined AFO that vents well. Lighter weight than a solid AFO.

**Practitioner Points**

- More torsion (Axial Rotation)
- Helps with hemiplegia, Cerebral Palsy, Spina Bifida when there is correction needed in the foot.
- Helps with Triplanar control along with control in the Sagittal and Coronal planes.
- Dynamic return with Plantar flexion Resist/Dorsiflexion Resist.

**Technical Points**

- Simple design
- Adds strength, reinforcement and support to Thermoplastic AFOs.
- All activity levels for children up to 90 lbs.
- Concave design for strength and thermoplastic vacuum drawing compatibility.
Coyote Design's 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 features a higher "crack" pressure than most valves, which helps to create a higher level of hypobaric suspension.

**CD105 | CQL Auto Expulsion Valve**
- Easy to clean and retrofit
- Quiet expulsion
- Low profile
- Includes a filter to block debris

**CD105HF | HandsFree Valve**
- Works with seal band liners
- Manual twist open airflow
- Flexible inner style valve

**CD105PB | Push Button Suction Valve for hard socket**
- Push button suction release
- Works with flexible inners
- Height: 17mm Diameter: 40mm


**CD105PBF | Push Button Valve for flexible Inner Socke**
- Push button suction release
- Locks hard socket to flexible inner.
- Height: 17mm Diameter: 40mm

This push button manual expulsion valve can be connected directly to a flexible inner liner.

**CD105T | Twist Valve**
- Give it a twist to manually release suction in the socket
- Easy to clean and retrofit
- Twist control of expulsion
- Low profile

**CD103WH | Lock wrench**
- Makes maintenance easy.

**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.
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 itchy than carbon
- Non-carcinogenic and non-toxic
- Strong and lightweight
- Finishes smooth, with superior resin saturation
- Unique dampening characteristics
- Less expensive

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.
COYOTE COMPOSITE

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.

Ordering options

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<tr>
<th>Type</th>
<th>Size (in)</th>
<th>Length (ft)</th>
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</thead>
<tbody>
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<tr>
<td>CD</td>
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</table>

Fabric available in:
- .17 mm Thickness
- Has a Bi-directional weave

Q SCHOOL

Get access to new techniques and methods on-line from your office or home through our first-level continuing education programs. Prosthetic, AFO, and technical workshops are available on-line.

More information at: www.qpqschool.com
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.

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.

CD307 | Plaster Spreader

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

CD311 | 12 oz Mixing Bowl

Made of non-stick, durable material, it’s easy to grip and clean. Wide base won’t slip ever.

SILENT AIR COMPRESSOR

These silent air compressors are dependable, vibration free, and compact that have noise levels as low as 30 dB/A.

Each high performance compressor is built with quality in mind, and comes fully equipped with powder coated air tank, pressure switch, 5 micron line filter, pressure regulator, and gauges for easy installation and trouble free operation. When operating under full load this line of exceptionally quiet air compressors offers decibel levels as low as 30 dB/A.

Visit our website for more information of the different silent air compressor packages.
The Aeroplate pre-filter removes many of the contaminants associated with today’s indoor air quality concerns. The activated carbon charcoal filter absorbs odors and irritants while maintaining a low resistance to air flow.

Replace Your Filters
* Replacement filters can be ordered through your distributor or call 1-208-429-0026.

See Manufacturer’s Capacity Index chart for information on contaminants removed by the charcoal filter. For more information go to www.coyote prosthetics.com

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 manufacturer’s defects, excessive wear or breakage. You don’t pay for shipping.**

1 Call and let us know if you need a part replaced. (208) 429-0026.
2 We will need a PO to ship you a new part. We will then invoice you for the part and the shipping.
3 We will fax or email you a Return Authorization Form for you to complete.
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.
**** All Kleenaire blowers are warranted for 1 year from date of original purchase. See warranty for details.
KLEENAIRE | Dual Filtered Air Purification System

Patent US D536, 432S

- The affordable alternative to purify the air
- For residential, commercial, or manufacturing
- Easy to install, maintain, and cost effective
- Controls dust, removes odors and contaminates
- Higher air quality and healthier working environment
- Designed for minimum noise and high air flow

Specifications

Fan Measurements
- 39" H x 22" W x 9" D

Weight
- 52 lb.

Voltage
- 110 volt - Plugs into any existing wall plug (4.04 amps max.)

Cubic Feet of Air Moved Per Minute
- High Speed - 582 CFM
- Low Speed - 315 CFM

Example: A room that is 10’ x 10’ x 8’ with the fan on high speed will move air through the filters every 90 seconds.