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EC REP

dvena Limited

ower Business Centre

2nd Flr, Tower Street

Swatar, BKR 4013

Q Malta

Threaded Stud

Five Hole Plate

Extractor Bolt

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Small Foam

Circles (4)

CD122AFD

Drop-In Air-Lock Fabrication Dummy

Fabrication Instructions

Weight limit: 350 lbs.

2-year warranty against manufacturer defects, excessive wear or breakage.

Patent No. 6334876 Made in U.S.A.

Drop-In Dummy

Push Plate

6mm x 18mm

Screws (4)

Manufactured by

419 N. Curtis Rd., Boise, Idaho 83706

(208) 429-0026 | www.coyote.us

Coyote

External Prosthetic Comp

CE

CD122AFD.revA.07202021

Parts Included

Dummy for Drop-In

Air-Lock

Fabrication plug

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Anchor

Installing Dummy on Mold



Cast limb with casting handle in place to create shape of lock in mold.

1

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22 Typical Coyote® components use 6x18mm screws

provided and Loctite® Blue 242 when attaching pyramid. Torque provided

connector screws to 10 Nm.

(See Caution #2 and #4)

Laminating

30 Pull vacuum nylon over

Add one layer of Electrical

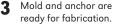
tape at edge of lock dummy

and cut off excess nylon at

socket and lock dummy.



3 Mold and anchor are handle of mold. Fill mold.





5 Casting Handle users skip to step 11.

4 Install Fabrication Plug and push plate into Air-



Lock Drop-in Dummy.





Place lock dummy on 6 mold. Trace lock.

CAUTION (page 1)

1. Do not position lock with release button pointing posterior or anterior. Typically release button is oriented medially.

2. Typical Coyote[®] components use 6x18mm screws. In use screws class 10.9 or better.



12 When glue sets mark desired location of release button.



(See Caution #1)

sand metal posts. auide for flattening.

17 For extra strength, fold excess seam on distal end of connector.





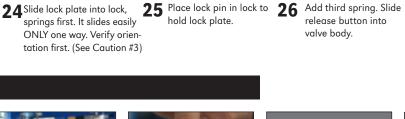
housing.



27 Thread valve body into









34 Pull nylon stockinette or other materials over connector, lock dummy and mold.



43 String can also be tied and top of lock to ensure seal (see Caution #6).



14 Use blade or heated **13** Apply nylon over mold. awl to expose four Reflect and twist nylon around lock dummy. posts on dummy.

23 Carefully smooth inside

assembly of lock.

of hole to allow for easy



15 Place adhesive foam

lock on mold.

air-lock.

16 Drape mold and blister molding instructional videos are available at www.coyotedesign.com/

on connector posts.

springs first. It slides easily ONLY one way. Verify orientation first. (See Caution #3)

32 Tie off PVA bag and

one layer of electrical tape

over distal end of lock.

apply vacuum. Apply

40 Tie second layer of com-

over mold

posite under five hole

plate, and reflect down

hold lock plate.

33 Cut away PVA Bag

electrical tape and lock

compound 4.

edge. Fill circular crack of

push plate with clay or putty.

Cover bottom of dummy with

flow to force lamination

through the center hole on

from distal end against















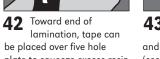
valve body.



35 Twist and reflect material to leave a small open circle in center of connector











38 Reinforce with carbon tape between posts. Avoid extra material around fabrication plug for easier removal.

install five hole plate.

(See Caution #4)







31 Pull PVA Bag over sock-

Heat shrink it for tight fit.

et and lock dummy





If using casting handle, begin with Step 1.

If NOT using casting handle, skip to Step 4.

7 Flatten mold to fit to lock dummy. Do not flatten beyond tracing of dummy.



Drill 1/2" diameter hole 8 Angle hole to help anchor adhesive.

3. Do not lubricate inside of lock, this will attract debris. If you have a noise issue, it is typically due to seating. Call for technical assistance.

- atypical setups, longer screws may be needed. Always
- 4. Always use screws provided during lamination to ensure proper depth is created for attachment.

18 Expose and remove small adhesive foam and fabrication plug. Grind distal end of socket flat. Take care not to

- Foam can be left in place to act as a
- 19 Remove socket in traditional fashion or with socket extractor.



20 Use the Threaded Bolt and 3/4" socket wrench to push the dummy out.

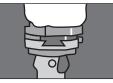


21 Press lock into place and attach pyramid with supplied 6mm x 18mm screws.



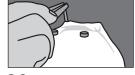


28 Hand-tighten valve body with Coyote lock wrench or 13mm deep well socket.



29 Use Coyote alignment coupler CD106 for alianment durina fittina.





36 Ensure holes of connector are exposed. A hot nail or awl can be used.



37 Pull first composite layer over mold. Cut top edges to fold around posts.



between fabrication plug

Need assistance?

Call us, we would love to help. (208) 429-0026





44 Expose edge and remove excess lamination.



and remove.

47 Smooth rough edges of distal end. Hole for valve body can be smoothed for easier install.

48 Remove socket in traditional fashion or with socket extractor.



and 3/4" socket wrench

to push the dummy out.

50 Do not remove connector from lock.

51 Wipe down O-ring on socket with alcohol before inserting.



screws.

and attach pyramid with

supplied 6mm x 18 mm

53 Attaching pyramid to connector will draw lock into place.

5 See steps 23-27 for lock assembly instructions. Use 6x18mm screws provided (see Caution #2 and #4) and Loctite® Blue 242 when attaching pyramid. Torque provided connector screws to 10 Nm.

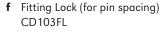


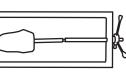
Screws (4)

Parts Sold Separately

Related Parts

- **a** Alignment Coupler CD106
- **b** Lock Wrench CD103WH
- c Casting Handle CD316A
- **d** Extractor. Socket Removal Tool CD301
- e Fabrication dummy CD103FD (for flexible inner liners, NOT for drop-in system)



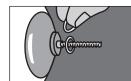


Practitioner Instructions

Poor lock pin spacing leads to premature wear. There should be no play between the lock and liner when fully engaged. You may need to add spacers to the pin to ensure this. Check for proper amount of play before putting lock into socket.



Install pin on liner. Engage lock to check for play between lock and liner



Vi Replace pin on **v** Based on the gap created by loosening adapter, making sure base fits snugly pin, install appropriate number of pin spacers on pin spacers. on adapter (see Caution



iv Gap is created between

Documenting Suction

We view suction not as a component or a code, but as a function. Pistoning and milking can be reduced by maintaining a suction socket when using this lock.

- The suction feature of the lock can be demonstrated and documented very simply.
- Have the amputee step into the lock and seat completely.
- Using the lock wrench, remove the valve body, release button, and outer spring from the lock. The amputee is still locked into the socket, but air is now allowed to flow into the bottom of the socket like a traditional pin.
- Walk the patient normally.
- Amputee may experience a difference in how the socket feels immediately, after some ambulation, or after reinstalling the valve body, release button and outer spring. Patient feedback should be documented.

Call for more information on coding of the Air-Lock: (208) 429-0026.

* It is the practitioner's responsibility to demonstrate, document, and

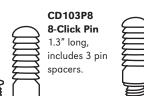
Air-Lock with P8 Pin

#2).

Liner	Size	Spacers used	No. of clicks	(Chart is a
Alpha Original	М	1	5	guideline, NOT a guarantee of seating. Verif seating.)
Alpha Select	М	0	5	
Ossur	26.5	1	6	
Alps	26	1	5	



Additional Pins



CD103P8H

3 pin spacers.

8-Click Brass Pin

1.3" long, includes



- 1. Do not position lock with release button pointing posterior or anterior. Typically release button is oriented medially.
- 2. Typical Coyote[®] components use the screws may be needed. Always use screws class 10.9 or better.
- 3. Do not lubricate inside of lock, this will it is typically due to seating. Call for technical assistance.
- 4. Always use screws provided during lamination to ensure proper depth is created for attachment.
- 5. Never exceed 3 pin spacers.
- and/or practitioner.

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proper seating and engagement.

for play. Repeat until lock seats completely. Remove lock

vii After installing pin

is no play.

spacers, re-engage

lock to be sure there



Apply Loctite[®] Blue viii 242 to threads of lock tightened with a 7/16" or 11 mm wrench. (See Caution #4, #5, #12)

pin and liner.



pin. Pin may need to be

Reengage lock to check







When attaching the dummy to the cast. The Air-Lock Anchor or Threaded Stud can be used with the Drop-In Air-Lock Dummy



The Threaded bolt is used in conjunction with the push plate to pus the dummy out of the socket.



www.coyotede.us/video

X-----Detach here and keep everything below with patient records

For tracking purpose, write LOT number (from funnel of lock) here: ___

- 6x18mm screws. In atypical setups, longer
- attract debris. If you have a noise issue,
- 6. Lay-up instructions are helpful hints on how to work with the lock and connector. Actual lay-ups are responsibility of the technician
- 7. Note number of clicks for engagement. There should be at least 2 to 3 clicks engagement prior to any ambulation and more clicks should occur after a few steps. 5 to 6 clicks (depending on liner) are required for full/

- 8. Liner threads vary. Begin threading pin into liner by hand whenever possible. A wrench will be needed in cases of tight threads.
- 9. Regardless of threading, always use Loctite® Blue 242 on lock pin threads. If installing into a plastic distal adapter Loctite® Blue 242 should also be used.
- 10. Do not use the CD103P11 long pin with the Drop-In Easy-Off Lock or the Drop-In Air-Lock. With most liners this longer pin will bottom out in the lock.
- 11. If using a flexible inner liner, do not leave plastic over lock housing, this can cause air leakage and other issues. You should laminate directly over housing. Contact Coyote for more information, or visit the video gallery at www.coyotedesign.com.
- 12. If you have a pin you cannot install, even with a wrench, contact Coyote for a replacement.