



# Coyote Pin Instructions

## Fabrication Instructions

### Air-Lock & Easy-Off Lock Pins

- Standard Two Part Pins - CD103P8, CD103P11, CD103PQ, CD103PX
- Solid Brass Pins - CD103P8H & CD103P11H

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

External Prosthetic Components



Advena Limited  
Tower Business Centre  
2nd Flr, Tower Street  
Swatar, BKR 4013  
Malta

**Weight limit: 350 lbs.**

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

Pins.revA.10132021



**CD103P8**  
10mm, Two Part  
8 Click Pin



**CD103P8H**  
10mm, One Part  
8 Click Pin



**CD103PX**  
6mm, Two Part  
8 Click Pin



**CD103PQ**  
1/4x20, Two Part  
8 Click Pin

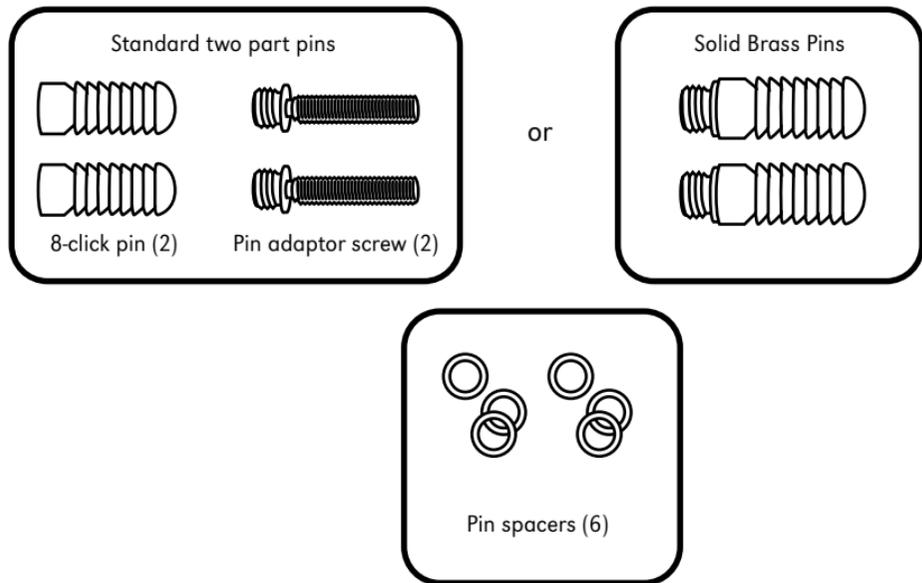


**CD103P11**  
10mm, Two Part  
11 Click Pin



**CD103P11H**  
10mm, Two Part  
11 Click Pin

**Parts included** (pins are sold in a two pack)



Manufactured by Coyote®  
419 N. Curtis Rd., Boise, Idaho 83706  
(208) 429-0026 | [www.coyote.us](http://www.coyote.us)



EN | Instructions for Use  
DE | Gebrauchsanweisung  
FR | Notice d'utilisation  
ES | Instrucciones para el uso  
IT | Istruzioni per l'uso  
NO | Bruksanvisning  
DA | Brugsanvisning  
SV | Bruksanvisning  
EL | Οδηγίες Χρήσης  
FI | Käyttöohjeet  
NL | Gebruiksaanwijzing  
PT | Instruções de Utilização  
PL | Instrukcja użytkowania

CS | Návod k použití  
TR | Kullanım Talimatları  
RU | Инструкция по использованию  
JA | 取扱説明書  
ZH | 中文说明书  
KO | 사용 설명서



[www.coyote.us/instructions-pins](http://www.coyote.us/instructions-pins)

**TABLE OF CONTENTS**

Parts Included..... 1  
Table of Contents ..... 2  
8 Click Pin Description ..... 3  
11 Click Pin Description..... 4  
Two Part Pin Installation ..... 5  
Pin Spacer Guide..... 6  
Solid Pin Installation ..... 7  
Pins Sizes ..... 8  
Attention..... 9  
Amputee Instructions ..... 10

**Need more product info?**

Visit us at [www.coyote.us](http://www.coyote.us) for more information, videos, tips, and instructions.



**Need assistance?**

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

### Lock pin for Air-Lock, Small Air-Lock, Medium Air-Lock, Easy-Off Lock, Drop-In Air-Lock, and Drop-In Easy-Off Lock

CD103P8 & CD103P8H are 10mm thread | CD103PQ is ¼x20 thread | CD103PX is 6mm

The CD103P8 and the CD103P8H are used with the CD103 Air-Lock, CD103S Small Air-Lock, CD103M Medium Air-Lock, CD117 Easy-Off Lock, CD122A Air-Lock Drop-In, and CD122E Easy-Off Lock Drop-In.

Longer 11 click pins are for deep locks. A longer pin can be used with a standard lock, but a modification will need to be done to allow the longer pin to seat completely.

If using this pin with an older Air-Lock or Small Air-Lock you may need a newer lock plate and valve body to prevent poor lock performance. Contact Coyote for a replacement.

### Lock pin for Grommet Lock (See Grommet Lock Instructions)

The CD104PQ is ¼x20 thread | CD104P6 is 6mm | CD104P10 is 10 mm and are two part pins.

Only the Grommet two part pins can use up to 5 pin spacers all other pins can use up to 3 pin spacers.

The CD104P6H & CD104PQH are solid brass pins and can only use 3 pin spacers.

The CD104P6, CD104P6H, CD104PQ, CD104PQH, and CD104P10 pins are for use with the Grommet Lock, these pins are too small and do **NOT** work with the Air-Lock or Easy-Off Lock products. The Air-Lock and Easy-Off Lock pins do **NOT** work with the Grommet Lock.

We recommend using the CD103S Small Air-Lock vs. the Grommet Lock when space is available for enhanced suspension and higher weight limit.

### Lock pin for Deep Air-Lock, Small Deep Air-Lock, Medium Deep Air-Lock, and Deep Easy-Off Lock

The CD103P11 and the CD103P11H are 10mm thread pins used with the CD103D Deep Air-Lock, CD103SD Small Deep Air-Lock, CD103MD Medium Deep Air-Lock, and CD117D Deep Easy-Off Lock.

However, to use long pins with standard locks the lock will need to be modified to accommodate the longer pins. Photo below shows the CD103P11 (on right) bottoming out in a CD103 Air-Lock and a standard lock pin (CD103P8) seating completely in an Air-Lock. To accommodate the longer pin in a standard depth lock, the Guide Pin and Pin Cap are used to deepen and reseal the lock housing.

See video titled “Modifying Air-Lock for Long Pin” at [www.coyote.us/airlock](http://www.coyote.us/airlock)



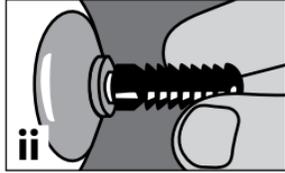
If using this pin with an older Air-Lock or Small Air-Lock you may need a newer lock plate and valve body to prevent poor lock performance. Contact Coyote for a replacement.

## Two Part Pin install and proper seating 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.



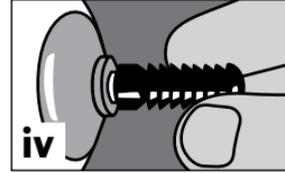
**i** Install pin on liner. Engage lock to check for play between lock and liner.



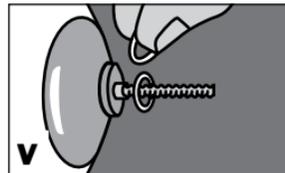
**ii** If there is play, loosen pin away from adaptor screw and liner.



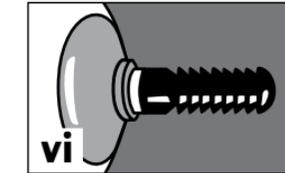
**iii** Reengage lock to check for play. Repeat until lock seats completely. Remove lock.



**iv** If there is a gap between pin and liner.



**v** Based on the gap size created by loosening pin, install appropriate number of pin spacers on the adaptor (see Caution #5).



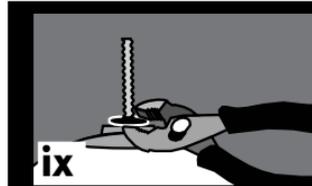
**vi** Replace pin on adaptor, making sure base fits snugly on pin spacers.



**vii** After installing pin spacers, re-engage lock to be sure there is no play.



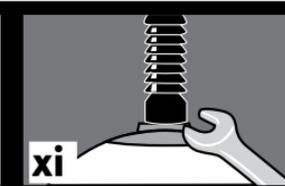
**viii** Apply Loctite® Blue 242 to threads of lock pin on adaptor screw 10 mm threads. Screw into liner finger tight.



**ix** After hand tightening, tighten the brass adapter screw base against the liner a 1/4 turn more with a wrench or pliers.

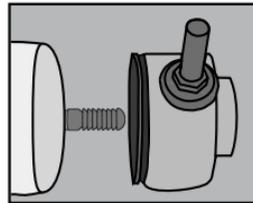


**x** Place needed number of pin spacers on adapter screw. Apply Loctite® Blue 242 to threads of lock pin adapter screw. Screw the 8 click pin finger tight.



**xi** Now tighten pin assembly with 7/16", 11 mm wrench or vice grips to insure complete thread engagement of brass into liner and pin into brass. (See Caution #4, #5, #12)

## Fitting Lock - CD103FL



Order a fitting lock from Coyote to help with pin spacer adjustment. The reinforced distal end of the fitting lock helps give a more accurate reading on how many pin spacers to use.



If a long pin is required for patients ease of donning a **Deep Air-Lock** is available or a conversion kit is available to prevent the pin from bottoming out.

## Air-Lock with CD103P8 or CD103P8H Pin

Liner	Size	Spacers used	No. of clicks
Alpha Original	M	1	5
Alpha Select	M	0	5
Ossur	26.5	1	6
Alps	26	1	5

(Chart is a guideline, NOT a guarantee of seating. Verify seating.)

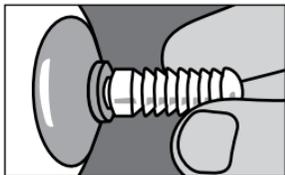
## Solid Pin install and proper seating Instructions

See instruction video called "CD103P8H Installing Brass Pin" at [www.coyote.us/airlock](http://www.coyote.us/airlock)

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.



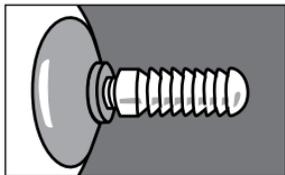
**H1** Install pin on liner. Engage lock to check for play between lock and liner.



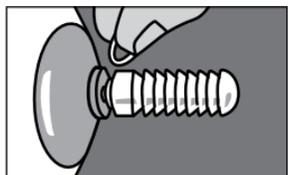
**H2** If there is play, loosen pin away from adapter screw and liner.



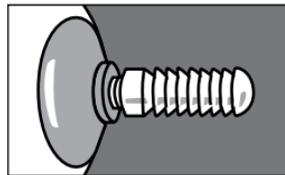
**H3** Reengage lock to check for play. Repeat until lock seats completely. Remove lock.



**H4** If a Gap is created between the pin and liner.



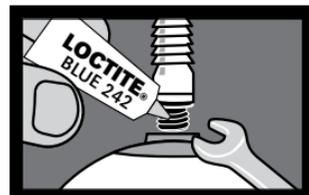
**H5** Based on the size of the gap created by loosening pin, install appropriate number of pin spacers on threaded end (see Caution #5).



**H6** Replace pin on adaptor, making sure base fits snugly on pin spacers.

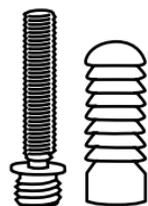


**H7** After installing pin spacers, re-engage lock to be sure there is no play.



**H8** Apply Loctite® Blue 242 to threads of lock pin. Pin may need to be tightened with a 7/16" or 11 mm wrench. (See Caution #5)

## Pins - (in 2 pack - sold separately from lock)



**CD103P8  
8-Click Pin**  
1.3" long,  
includes 3 pin  
spacers.  
10mm thread



**CD103P11  
11-Click  
Long Pin**  
1.65" long,  
includes 3 pin  
spacers.  
10mm thread



**CD103P8H  
8-Click Brass Pin**  
1.3" long, includes  
3 pin spacers.  
10mm thread



**CD103P11H  
11-Click Brass  
Long Pin**  
1.65" long, includes  
3 pin spacers.  
10mm thread



**CD103PQ  
8-Click Pin**  
1.3" long, includes  
3 pin spacers.  
¼ x20 thread



**CD103PX  
8-Click Pin**  
1.3" long, includes  
3 pin spacers.  
6mm thread

## ! ATTENTION

**Always, *LOCTITE***  
 and torque to manufacturer specifications.

1. 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.
2. **Never exceed 3 pin spacers**, except with the Grommet two part pins, (CD104PQ, CD104P6, CD104P10) they cannot exceed 5 pin spacers.
3. 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/proper seating and engagement.

If using a long pin, there should be at least 3 to 4 clicks engagement prior to any ambulation and more clicks occur after a few steps. 8 to 9 clicks (depending on liner) are required for full/proper seating and engagement.

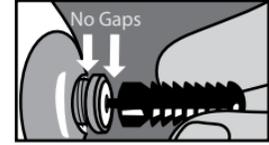
4. Liner threads vary. Begin threading pin into liner by hand whenever possible. A wrench may be needed in cases of tight threads.
5. Regardless of threading, always use Loctite® Blue 242 on lock pin threads. If installing into a plastic distal adapter Loctite® Blue 242 should also be used.
6. The CD103P11 and CD103P11H are the longer pins for the Deep Air-Locks and Deep Easy-Off Locks. However, with most liners this longer pin will bottom out in the lock. If a long pin is needed, call Coyote for information on extending the depth of the lock to allow for use with the longer pin, or for a deeper lock option.

Detach here and give to patient

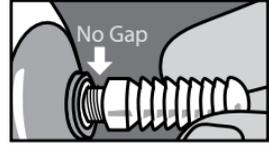
# Amputee Instructions



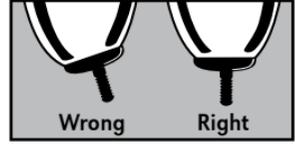
### Putting on Liner



Standard two part pin



Brass pin

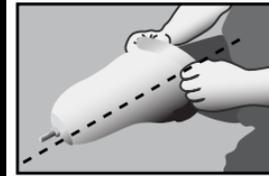


Wrong Right

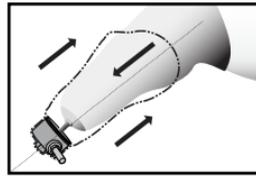
Check pin and liner to make sure pin is not gapping, loose, or damaged. See practitioner to fix with Loctite®.

Try to center the pin on the bottom of your limb so that the pin is straight and an extension of your limb with no tilt in any direction.

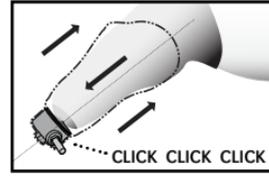
### Engaging Lock Tooth and Pin



Make sure pin alignment is correct and the liner fits securely.



Make sure the pin slides straight into center hole in socket lock. Clicks should be one at a time.



Socket is too loose if clicks are all at once. Socket is too tight if you **CANNOT** get pin to click or do **NOT** get almost all 6 clicks overtime.



Performing a "CPR" motion on the knee can help the pin engage with the lock plate.



CLICK  
CLICK  
CLICK

Get at least 2 clicks before standing. 3 - 4 clicks before walking.

Additional clicks required for use with long pin (11 tooth pin).



5 - 6 TOTAL CLICKS

Eventually get 5 maybe 6 clicks depending on liner and sock usage. 8 to 9 clicks with the long pin (depending on liner)

**This information should be given to amputee at delivery**



Once completely engaged there should be no play/pistoning.  
If there is, see your practitioner to evaluate your fit or adjusting pin spacers.



#### Socks

Push the pin through the hole in your sock.  
If pin is covered by sock, it can jam your lock.



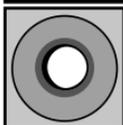
*Do NOT lubricate your lock.*

#### Water and Cleaning

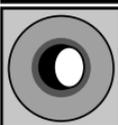
Rinse out and dry socket if you have been in water especially a pool or salt-water. You can also clean the socket with mild soap and water.

#### Checking Teeth

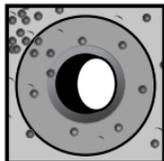
OPEN



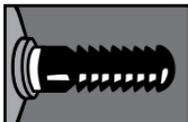
CLOSED



Check visually to make sure the tooth on the lock plate is showing enough in the bottom of socket with a sharp edge.  
The tooth should be crescent moon shaped with a smooth sharp edge.  
If the tooth looks broken, have it replaced.



If you are having trouble engaging the pin and the lock funnel is scratched and pock marked from the pin this could be a sign of poor pin alignment which can be caused by not aligning the liner and pin correctly or the lock is not aligned correctly in the socket.



Make sure teeth on pin are NOT worn smooth.  
The pin should have well defined teeth, NOT rounded.

#### Maintenance

- The entire prosthesis should be inspected regularly for any unusual changes in wear and noise. Anything of concern should be reported to your clinician.
- Annual inspections should be conducted by your clinician.

Detach here and give to patient

