Connector Instructions

CD103AF | CD111 | CD103SDI | CD103MDI | CD115CF5 | CD119SC

CD103PAF | CD103PFF | CD302 | CD106 | CD108 | CD108S

Fabrication Instructions

External Prosthetic Components

CE MD EC REP

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

Connectors.revA.03062023

Alignable Connector
CD103AF

One-Shot Connector
CD111

Multi-Direction Insert
CD103MDI

Single-Direction Insert
CD103SDI

Integrator™
CD108 & CD108S

5 Degree AK Connector
CD115CF5

Test Socket Connector
CD119SC

Alignment Coupler
CD106

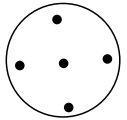
Pediatric Alignable
Four Connector
CD103PAF

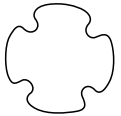
Pediatric Fast
Four Connector
CD103PFF

Parts included with Connectors and Accessories

CD103AF Alignable Four Connector Parts - Page 3 — Weight Limit is 350 lbs.


Alignable Connector


Five Hole Plate

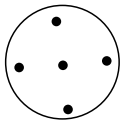

Glue Plate

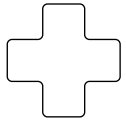

6mm x 18mm Screws (4)


Small Foam Circles (4)

CD111 One-Shot Connector Parts - Page 3 — Weight Limit is 350 lbs.


One-Shot Connector


Five Hole Plate


Glue Plate


6mm x 18mm Screws (4)

CD103AF & CD111
Installing Lock on Mold
Transferring Alignment 3
Drape Molding 4
Lay-up 5
Finishing & Attention 7

Accessories for CD103AF & CD111

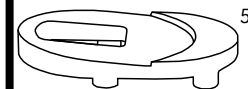
CD103MDI Multi-Direction Insert Parts Page 3

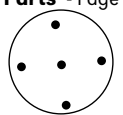

Multi-Direction Insert

CD103SDI Single-Direction Insert Parts Page 3


Single-Direction Insert

CD115CF5 5 Degree AK Connector Parts - Page 7 — Weight Limit is 265 lbs.


5 Degree AK Connector


Five Hole Plate


6mm x 14mm Screws (4)


Small Foam Circles (4)

CD106 Alignment Coupler Parts - Page 8

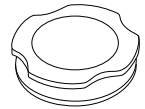

Alignment Coupler

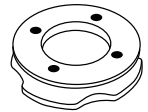

6mm x 25mm Screws (4)


6mm x 14mm Screws (4)

Weight Limit is 265 lbs.

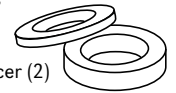
CD119SC Test Socket Connector Parts - Page 9


Top of Test Socket Connector


Bottom

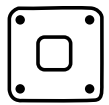

6mm x 18mm Screws (4)

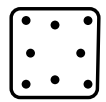
CD302 Pylon Spacers Page 10


1/8" Spacer (2)

¼" Spacer (2)

CD103PFF Pediatric Fast Four Connector Plate Parts - Page 12 Weight Limit is 99 lb


Pediatric Fast Four Connector


8 Hole Plate

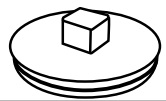

Small Foam Circles (4)


Silicone Caps (4)

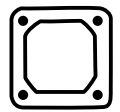

5 x 20 mm Screws (4)


5 x 18 mm Screws (4)

CD108 Integrator™ Socket Adapter
CD108S Small Integrator Socket Adapter Page 13
Weight Limit is 265 lbs.



CD103PAF Pediatric Alignable Four Connector Plate Parts - Page 11 — Weight Limit is 99 lbs.


Pediatric Alignable Four Connector


Pediatric Glue Plate


8 Hole Plate


Small Foam Circles (4)

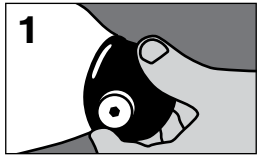

Silicone Caps (4)


5 x 20 mm Screws (4)

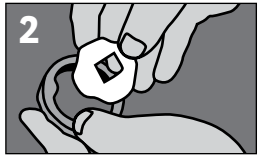

5 x 18 mm Screws (4)

Installing Lock on Mold - with CD103AF and CD111 *fabrication is similar for both connectors*

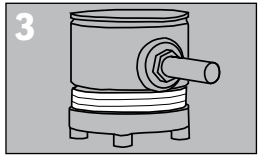
Note differences in Lay-up of CD103AF vs CD111 - Do not Drape Mold CD111



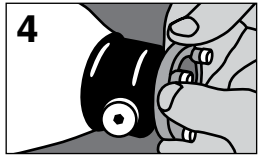
Place lock on mold. Mark desired location of release button. (See Caution #1)



Install insert of choice in Alignable Connector.



If using the Deep Air-Lock add the three Spacer Disks to the lock before adding the connector.

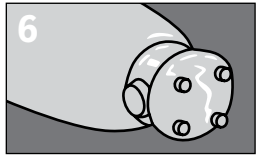


Place the provided adhesive foam on the four connector posts. Place connector offset or centered.

Drape Molding Check Socket with CD103AF Alignable Four Connector

Do **NOT** Drape Mold with the CD111 One-Shot Connector

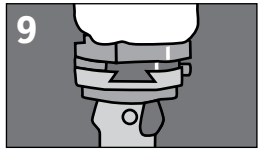
5 Drape mold and blister molding instructional videos are available at www.coyote.us/airlock



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

7 Expose and remove small adhesive foam and fabrication plug. Grind distal end of socket flat. Take care not to sand metal posts. Foam can be left in place to act as a guide for flattening.

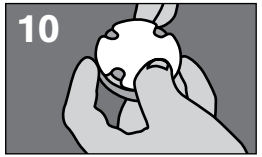
8 Typical Coyote® components use 6x18mm screws provided and Loctite® Blue 242 when attaching pyramid. Torque provided connector screws to 10 Nm. (See Caution #2 and #4)



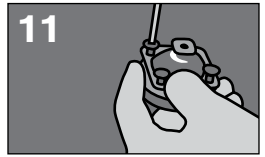
Use Coyote alignment coupler CD106 for alignment during fitting.

Transferring Alignment

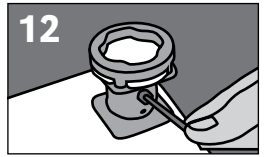
When transferring, it is recommended to use a new lock or lock housing in the definitive socket.
The lock in the test socket can be removed when time permits and reused in another test socket.
This will also allow you to duplicate the alignment established in the test socket in the definitive.



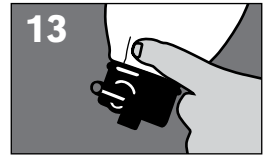
Lube and install glue plate on Coyote Alignable Connector.



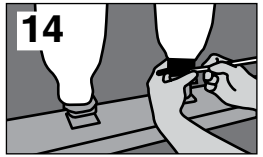
Attach a pyramid to Coyote Alignable Connector.



Install pyramid on adapter.



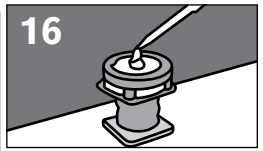
Install lock on mold in desired location, mark release button location. (See Caution #1).



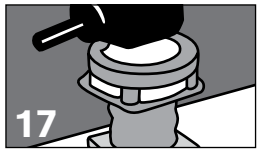
Rest mold and lock on Alignable Connector. Place test socket next to mold and compare alignments.

15 Take measurements for more accurate comparisons.

If using the Deep Air-Lock add the three Spacer Disks to the lock before adding the connector.

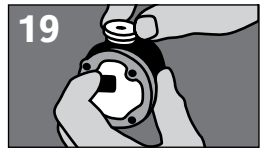


Separate lock from connector. Fill connector with Coyote Quik Glue or fast-setting epoxy.



Place mold and lock back into connector in desired location. Let set.

Remove pyramid from tube clamp then remove pyramid and glue plate.

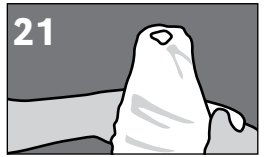


Remove all lock parts before laminating. Put wax or clean clay in fabrication plug hole.

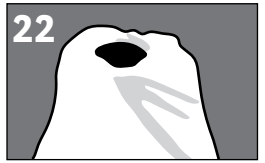
20 Attach lock and connector to mold. See lock instructions for more information.

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

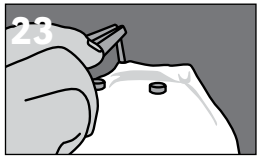
Lay-up for **CD103AF** Alignable Connector



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

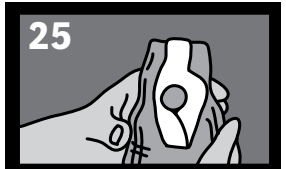


Twist and reflect material to leave a small open circle in center of connector.

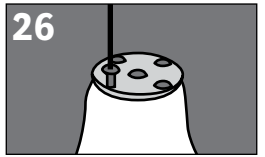


Ensure the four post holes of the connector are exposed. A hot nail or awl can be used.

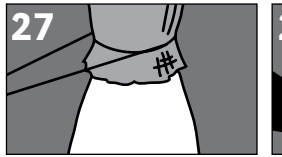
Pull first composite layer over mold. Cut top edges to fold around posts.



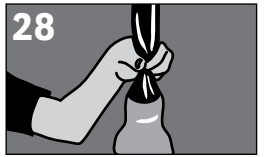
Reinforce with carbon tape between posts. Avoid extra material around fabrication plug for easier removal.



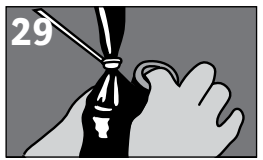
Lubricate screws and install five hole plate. (See Caution #4)



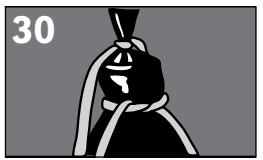
Tie second layer of composite under five hole plate and reflect down over mold.



Pull bag and laminate as usual. Initially restrict flow to force lamination through the center hole on plate, forcing out air pockets.

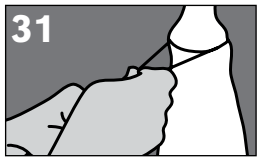


Toward end of lamination, tape can be placed over five hole plate to squeeze excess resin out of lamination.

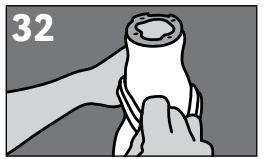


String can also be tied between fabrication plug and top of lock to ensure seal. (see Attention #C5)

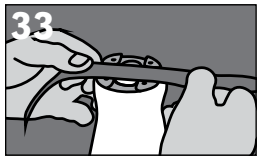
Lay-up for **CD111** One-Shot Connector



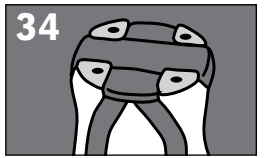
Tie nylon off to One-Shot Connector.



Reflect Nylon Stockinette strips over One-Shot Connector.

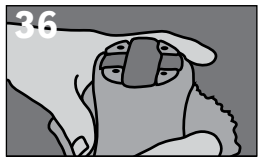


Lay reinforcement strips over One-Shot Connector.

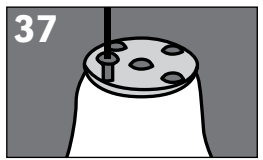


Avoid extra material around fabrication plug tor easier removal.

Cut a double length of Coyote Composite. Pull a full length of Coyote Composite and tie it off.

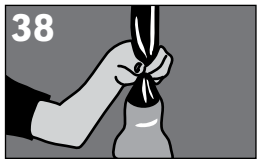


Reflect the other length of composite, making two complete layers.

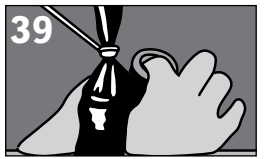


Lubricate screws and install Five-Hole Plate. (See Attention #C4)

Tech Tip:
Pull a sheer vacuum nylon before you pull a PVA Bag.



Pull bag and laminate as usual. Initially restrict flow to force lamination through the center hole on plate, forcing out air pockets.



Toward end of lamination, tape can be placed over five hole plate to squeeze excess resin out of lamination.

String can also be tied between fabrication plug and top of lock to ensure seal. (see Attention #A5)

Expose edge and remove excess lamination.

Remove five hole plate.

Expose fabrication plug and remove.

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

45 See steps 22-26 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.

⚠ ATTENTION

A1. When transferring, it is recommended to use a new lock or lock housing in the definitive socket. The lock in the test socket can be removed when time permits and reused in another test socket. This will also allow you to duplicate the alignment established in the test socket in the definitive.

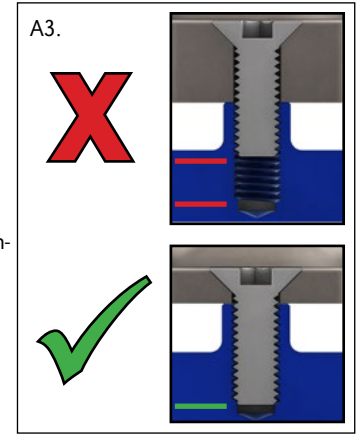
A2. Do not position lock with release button pointing posterior or anterior. Typically release button is oriented medially.

A3. Use the 6x18mm screws provided with typical components. In atypical setups, longer screws may be needed. Always use screws class 10.9 or better. Make sure screw length fully seats into connector base not just post, longer screws may be needed depending on pyramid thickness.

A4. Always use screws provided during lamination to ensure proper depth is created for attachment.

A5. Lay-up instructions are helpful hints on how to work with the lock and connector. Actual lay-ups are responsibility of the technician and/or practitioner.

A3.



CD115CF5 - 5 Degree AK Connector Instructions

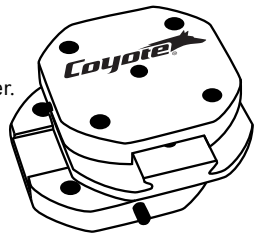
The CD115CF5 5 Degree AK Connector is used primarily with the Coyote Design Lanyard Lock CD118 but can be used with other Coyote Design Distal pin systems.

1. Determine lock placement.
2. Use Quik Glue adhesive or preferred epoxy to attach lock to connector at desired location.
3. Layup as usual, reinforcing areas of significant under cut, keeping top edge of connector posts open.
4. Using 6mm x 14mm screws for attaching 5 hole plate. These screws are for lamination purposes only.
5. Laminate
6. Remove 5 hole plate and attach desired connector. Be sure to use correct length screws for chosen connector. Torque connector screws to 10.9 Nm. During attachment of components, make sure screws go entire length of the connector plate. Use Loctite Blue 242 on connector screws after all adjustments have been made.

CD106 Alignment Coupler

Not to be used outside of clinic

Included in package: CD106 Alignment Coupler
(four) 6mm x 25 mm flat head screws to install Alignment Coupler to socket.
(four) 6mm x 14mm flat head screws to install endo components to alignment coupler.



The counter sink slide fits to the socket.

The threaded side fits to the endo components.

Torque settings for 3mm adjustment screws is 5Nm.

Torque settings of 6mm flat socket head cap screw is 10Nm.

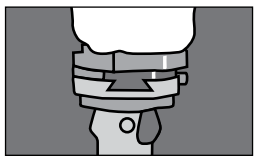
Offset for ML and AP of 0.64". Easily installs on four hole connector. Easy to adjust with 3mm wrench.

For in house fitting and alignment purposes only
<u>not</u> to be used outside of facility.

265 lb. weight limit.

Typical Coyote® components use 6x18mm screws. In atypical setups, longer screws may be needed. Always use screws class 10.9 or better.

Always use screws provided with connector during lamination to ensure proper depth is created for attachment.



Use Coyote alignment coupler CD106 for alignment during fitting.

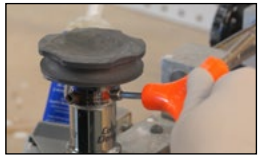
CD119SC Test Socket Connector

Vivak Test Socket

1 Use provided 6X18 MM screws and Loctite® Blue 242 when attaching pyramid. Torque to 6 Nm.

2 Use a power sander, 24 grit sandpaper and utility knife to scuff up the dished surface until it feels coarse and abrasive; this will ensure a good bond between the socket and connector.

3 Scuff up test socket at the location you will be gluing the connector.



4 Attach connector with pyramid in an alignment jig .

5 Place socket in desired alignment before gluing.

6 Use Coyote Quik Glue or your preferred adhesive to attach socket to connector.

7 Wipe away excess glue.

8 Hold socket in desired alignment while glue cures. Test socket is now ready for static fitting.

9 Test socket is now ready for static fitting. We prefer to use a Stomper Foot for static fitting.

10 It is highly recommended to use rigid fiberglass tape to reinforce connector to socket for dynamic fitting.

11 Trim excess fiberglass to expose pyramid.

12 Reinforced test socket is now ready for dynamic fitting.

CD302 Pylon Spacers

Pylon Adjustment Spacers 2 each 1/8th and 1/4"
Weight limit 265 lbs
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.

Need more product info?

Visit us at www.coyote.us for more information, videos, tips, and instructions.

Typical Coyote® components use 6x18mm screws provided and Loctite® Blue 242 when attaching pyramid. Torque provided connector screws to 10 Nm. (See Caution #2)

CD103PAF Pediatric Alignable Four Connector Plate

Weight Limit is 99 lbs.

CD103PAF can be used with either the Grommet™ Lock or Small Air-Lock.

CD103PAF Pediatric Alignable Four Connector Plate

Creates up to 0.25" offset. Use 5 x 18mm screws to attach endo components. Torque connector screws to 144 in-lbs.
During attachment of components, make sure screws go entire length of the connector plate. Use Loctite® Blue 242 on connector screws after all adjustments have been made.
Torque settings of 6mm flat socket head cap screw is 10Nm.

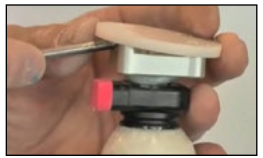
1 Place glue plate on connector. Install pyramid to connector. Do not over tighten screws.

2 Attach pyramid to endo components. All components should be at neutral. Return mold and lock to alignment fixture.

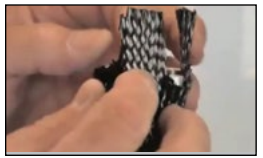
3 Check height measurement to ensure height is identical to test socket. Fill connector with glue.

4 Lower mold and lock onto connector. Allow glue to set.

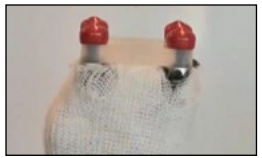
5 Remove screws from connector.



6 Carefully remove glue plate and begin layup.



7 Fold carbon and other layup materials between connector posts. As layup material is added, ensure the connector posts remain exposed.



8 Lube attachment screws. Install Eight Hole Plate. Do not over tighten screws. Install red silicone caps onto screws. Finish Layup.

CD103PFF Pediatric Fast Four Connector Plate

Weight Limit is 99 lbs.

CD103PAF can be used with either the Grommet™ Lock or Small Air-Lock.

CD103PFF Pediatric Fast Four Connector Plate

Use 5 x 18mm screws to attach endo components. Torque connector screws to 144 in-lbs.
During attachment of components, make sure screws go entire length of the connector plate. Use Loctite® Blue 242 on connector screws after all adjustments have been made.

To Fabricate with Pediatric Fast Four Connector:

1. Fit connector over pin chamber on the bottom of the lock
2. If **thermoforming** attach foam circles to connector posts and thermoform as usual
3. If **laminating** lay up as usual keeping connector posts exposed. Attach 8 hole plate using 5 x 20 screws. Cover screw heads with silicone caps. Laminate as usual.

Torque connector screws to 144 in-lbs.
During attachment of components, make sure screws go entire length of the connector plate.
Use Loctite® Blue 242 on connector screws after all adjustments have been made.

ATTENTION - for CD103PAF and CD103PFF

1. Do not position lock with release button pointing posterior or anterior. Typically release button is oriented medially.
2. 20mm screws provided extend entire length of connector for fabrication. 18mm screws provided extend entire length of connector with typical components for assembly. In non-typical set-ups, longer screws may be needed to extend the entire depth of connector.
Always use screw class 10.9 or better.
3. Always use screws provided during lamination to ensure proper depth is created for attachment.
4. Lay-up instructions are helpful hints on how to work with the lock and connector. Actual lay-ups are responsibility of the technician and/or practitioner.

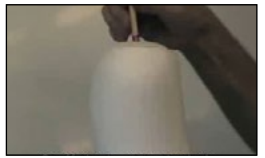
CD108 Integrator ™ Socket Adapter
CD108S Small Integrator ™ Socket Adapter

We typically drape copoly, but other plastics and methods can be used.

Check Socket Fabrication

1 Place Integrator™ in desired location on mold and trace location. Install O-ring.

2 Drill 3/8" hole for nylon knot. Prep cast in customary fashion



3 Ensure nylon will fit fully under Integrator™ to keep socket airtight.

4 Glue Integrator™ to mold in desired location

5 Install insert of choice (CD-103MDI or CD103SDI) into Alignable Connector (CD103AF)

6 Slide connector onto Integrator™ in desired location with posts facing away from Integrator™

7 Place foam dots on posts

8 Fabricate over mold, Integrator™, and connector.

9 When plastic has cooled, expose foam dots, and grind the bottom of the socket as flat as possible without damaging posts.

Using the Alignable Connector a single lamination with built in offset alignment can be done. For more information see instructions with Alignable connector.

CD108 Integrator ™ Socket Adapter
CD108S Small Integrator ™ Socket Adapter

Definitive Socket Fabrication

1 Place Integrator™ in desired location on mold and trace location.

2 Pull PVA bag over mold. Using heat ensure edge of PVA bag is within the inner diameter of the integrator™.

3 Carefully glue Integrator™ to mold and PVA bag.

4 Place in alignment fixture and attach Alignable Connector at desired alignment. Remove from fixture.

5 Lay up as normal reinforcing between connector posts.

6 Secure lay-up into the tie off ring of the Integrator™.

7 Install Five Hole Plate using provided screws.

8 From here socket is laminated in preferred fashion.

9 Remove Five Hole Plate. Finish Socket as usual.

Quik Glue will NOT stick to Integrator™ permanently.
For further fabrication and connector options see back page.
Results can only be guaranteed if Coyote® Quik Glue is used.

EN | Instructions for Use
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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-connectors

Need assistance?

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

Always, LOCTITE
and torque to manufacturer specifications.

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