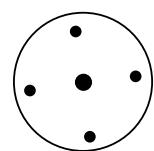


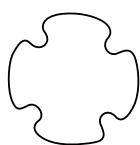
Alignable Connector



Five Hole Plate



Small foam circles (4)



Glue Plate



6mm x 20mm Screws

# CD103AF

## Alignable Connector

### Fabrication Instructions



Manufactured by



7450 W. Lemhi, Boise, Idaho 83709  
(800) 819-5980 or (208) 429-0026  
[www.coyotedesign.com](http://www.coyotedesign.com)

Weight limit: 265 lbs.

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

Patent No. 6334876 Made in U.S.A.  
External Prosthetic Components

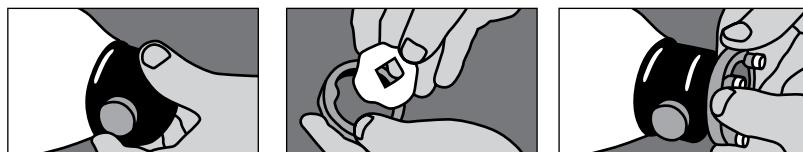


Advena, Ltd.  
Thorne Widgery House,  
33 Bridge Street, Hereford  
HR4 9DQ, UK



CD103AF.revA.012213

#### Installing Lock on Mold

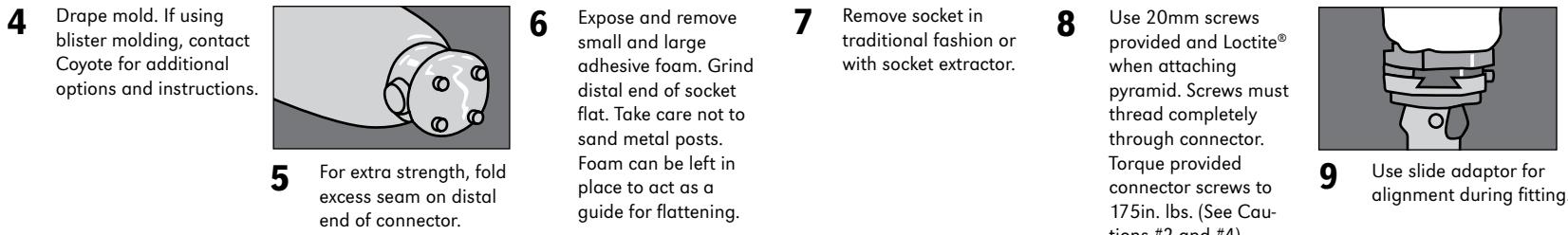


1 Place lock on mold. Mark desired location of release button. (See Caution #1)

2 Install insert of choice in alignable connector.

3 Place adhesive foam on connector posts. Place connector offset or centered.

#### Drape Molding Check Socket



4 Drape mold. If using blister molding, contact Coyote for additional options and instructions.

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

6 Expose and remove small and large adhesive foam. 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.

7 Remove socket in traditional fashion or with socket extractor.

8 Use 20mm screws provided and Loctite® when attaching pyramid. Screws must thread completely through connector. Torque provided connector screws to 175 in. lbs. (See Cautions #2 and #4)

9 Use slide adaptor 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.



10 Lube and install glue plate on alignable connector.

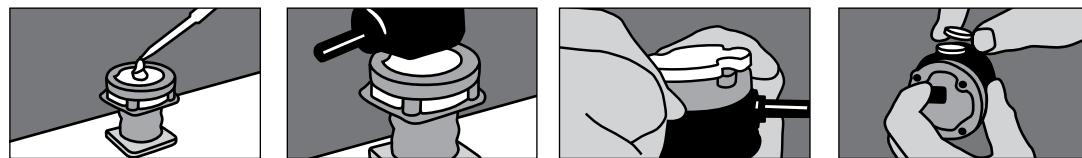
11 Attach a pyramid to alignable connector.

12 Install pyramid on adaptor.

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

14 Rest mold and lock on alignable connector. Place test socket next to mold and compare alignments.

15 Take measurements for more accurate comparisons.



16 Separate lock from connector. Fill connector full of Coyote Quick Adhesive or fast-setting epoxy.

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

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

19 Remove all lock parts before laminating. Install fabrication plug, and adhesive foam.

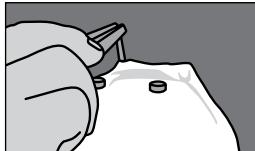
20 Attach lock and connector to mold. See lock instructions for more information.

#### CAUTION

- Do not position lock with release button pointing posterior or anterior. Typically release button is oriented medially.
- 20mm screws provided extend entire length of connector with typical components. 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.
- Always use screws provided during lamination to ensure proper depth is created for attachment.
- 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.

Continued on back

## Lay-up



**21** Pull nylon stockinet or other materials over connector, lock and mold.

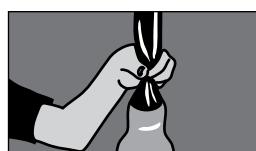
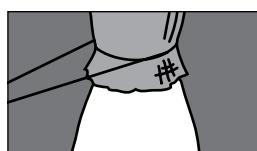
**22** Twist and reflect material to leave a small open circle in center of connector.

**23** Ensure holes of connector are exposed. A nail can be used.

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

**25** Lay reinforcement between posts. Avoid extra material around Fabrication Plug for easier removal.

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



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

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

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

**30** String can also be tied between fabrication plug and top of lock to ensure seal (see Caution #4).

## Finish



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

**35** Use 20mm screws provided (see Caution #2 and #3) and Loctite® when attaching pyramid. Screws must thread completely through connector. Torque provided connector screws to 175 in lbs.

**31** Expose edge and remove excess lamination.

**32** Remove five hole plate.

**33** Expose fabrication plug and remove.

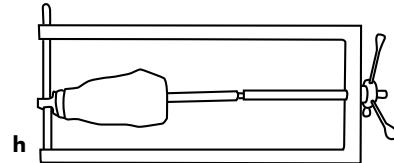
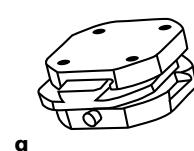
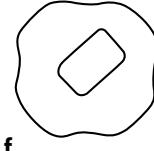
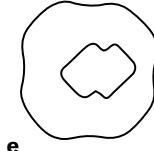
## Parts Sold Separately

### Inserts

- e** Multi-Direction Insert CD103MDI
- f** Single Direction Insert CD103SDI

### Related Parts

- g** Alignment Coupler CD106
- h** Extractor, Socket Removal Tool CD301



**e**

**f**

**g**

**h**