

3170P / 3170

Shift Shuttle Lock

with and without lamination plate

Instructions For Use



3170 / 3170P

Application

The 3170 Shift Shuttle Lock can be used with or without the laminating plate. Without the plate, the lock can be used for a double lamination to accommodate large misalignments. The 3170P can be used when the alignment is inclusive of the offset lamination plate range of alignment for a single lamination.

Product Description

The 3170 Shuttle lock is to be exclusively used for the prosthetic fitting of lower extremity amputations up to 136kg / 300lbs.

Fabrication

3170 fabrication will vary so that the lamination process will not include the lamination plate and associated parts.



Pull PVA bag. Place the laminating dummy on the model and anchor it with double stick tape or nails.



Disassemble the release button from the lock body. (3170 will not include lamination plate)



Apply petroleum jelly over every surface of the cap screw.

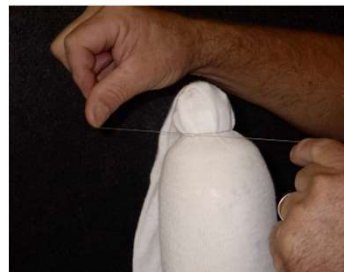


Assemble dummy to the lock body with two O-rings. Be sure to apply putty on top of the center anchoring screw. (Some parts may have evolved from what is depicted)



Four set screws will need to be installed and threaded into the lamination plate with petroleum jelly on the threads, fill in screw heads.

To save the alignment, apply a drop of super glue between the plate and the lock.



As the layup material is added, ensure the connector plate is secured. Tie a string around the bottom of the lock to ensure the layup remains tight.



Pull PVA bag and draw vacuum.



Apply resin



Rough-cut and grind in transverse plane, stopping at screws head.



Grind to expose and to remove the spacer.



Grind again until you find the spacer cap screws. Do not grind any deeper! Be sure to grind the bottom surface flat and even. Remove the cap screws



Notice

After removing the model from the laminated socket, be sure the distal end of the socket is flat.

Assembly

Once the lamination is complete, carefully remove any excess resin. Remove the Anchor bolt and trim around the clutch Housing Dummy plug. Thoroughly clean the threads in the lock body and remove any resin which may have gotten into the lock body. Secure the clutch unit using Loctite into the Ratchet Lock Housing.

Fabrication Guidelines

- Do not modify the housing or the locking mechanism in any way.
- Do not disassemble the housing.
- Use caution when using Loctite to secure all threaded fasteners. Prevent any Loctite from getting into the lock mechanism.

Environmental Conditions

The device is Weatherproof.

A Weatherproof device can be used in a wet or humid environment and can tolerate being splashed by fresh water (e. g., rain), no submersion is allowed.

No contact with salt water or chlorinated water is allowed.

Dry with a cloth after contact with fresh water or humidity.

Clean with fresh water in case of accidental exposure to other liquids, chemicals, sand, dust, or dirt and dry with a cloth.

Continuous exposure is not allowed.

The clutch lock bearing is susceptible to prolonged moisture or submersion exposure.

MAINTENANCE

The device and the overall prosthesis should be examined by a healthcare professional.

Interval should be determined based on patient activity, and at least annually.

REPORT OF SERIOUS INCIDENT

Any serious incident in relation to the device must be reported to the manufacturer and relevant authorities.

DISPOSAL

The device and packaging must be disposed of in accordance with respective local or national environmental regulations.

WARRANTY

Warranty: 1 year against manufacturing defect only.

Damage from misuse, exposure to non-allowed conditions will void the warranty.

LIABILITY

ST&G USA Corporation does not assume liability for the following:

- Device not maintained as instructed by the instructions for use.
- Device assembled with components from other manufacturers.
- Device used outside of recommended use condition, application, or environment.

CE Conformity

This product meets the requirements Council EU 2017/1745 (MDR).

for medical products. This product has been classified as a class I product according to the classification criteria outlined in appendix IX of the guidelines. Please keep this manual in safe place for future use.

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*Specifications subject to change