

3140 Base Shuttle Lock

MD Medical Device



Instructions For Use

The 3140 Base Shuttle lock provides a 1 way ratcheting lock mechanism until released by pushing release button. This lock is intended for single patient use only. Not for use for bathing, swimming, salt water, very dusty environments, or with bodily fluid exposure. It is recommended that there be bi-annual inspection to be sure mechanism is clean of debris and in working order. Not rated for high activity use.

Failure to adhere to recommendations will void warranty.



Application

The 3140 Base Shuttle Lock is suitable for low to moderate function / activity level and is rated up to 300 lbs. This lock is to be exclusively used for the prosthetic fitting of lower extremity amputations.

Product Descriptions

Base Shuttle Lock is a low profile and lightweight suspension lock designed for both laminated or thermoplastic sockets in conjunction with 4 hole socket adapter utilizing the 3140-1 fabrication dummy. Refer to 3140-1 IFU for fabrication guidelines. Can be ordered with different length pins, or pin can be ordered separately.

BASE Lock		BASE Lock Fabrication Dummy		BASE Lock Pin			
P/N	Description	P/N	Description	P/N	Description		
3140-S	BASE Lock 1" Pin	3140-1	3140 Fabrication Dummy Kit	3140-SP	1" BASE Lock Pin		
3140-M	BASE Lock 1.5" Pin			3140-MP	1.5" BASE Lock Pin		
3140-L	BASE Lock 2" Pin			BASE Shuttle Lock Dimensions are: 25.15mm / 0.99" tall X 63.5mm / 2.5" Dia		3140-LP	2" BASE Lock Pin
3140-XL	BASE Lock 2.5" Pin					3140-XLP	2.5" BASE Lock Pin

Lock Installation and assembly

To insert BASE Shuttle Lock into fabricated socket, unscrew the release button and fully insert the lock into the socket cavity. Align lock to the corresponding release button socket hole, and apply Loctite prior to screwing the release button on by hand. Do not over torque.

Apply the attachment plate and secure with M6x1 screw by applying 7-8 Nm (62-71 in lbf) of torque to each screw.

⚠ Over torquing may result in poor function. Use Loctite and be sure the attachment screw is long enough to fully engage the threads in the lock. While the M6x1x25mm Flat Head Screws included will work with many common 4-hole attachment devices, the required screw length will depend upon the thickness of the socket and the distal attachment connector. Instruct patient on proper usage and to contact Prosthetist should lock not work.

⚠ Fabrication Guidelines

- A trained technician must perform fabrication of the prosthesis.
- Do not modify the housing or the locking mechanism in any way.
- Do not disassemble the housing.
- Use Loctite to secure all threaded fasteners.
- **Button length can be shortened NO more than 12.7 mm. After shortening clean threads with a M3mm tap. LOCTITE and install button hand tight.**
- If inner and outer socket surfaces of the distal end are not parallel and smooth the lock may malfunction.
- Applying more torque than recommended may cause the lock to malfunction.
- Fabrication of a socket should be done using a fabrication dummy. Do not fabricate using the BASE lock!
- Inspect operation of mechanism after installation into the socket, and after prosthesis build.

Environment:

Store at room temperature, and avoid extremely hot, cold, or moist storage environments Storage Temperature Range: between temperatures of -10°C to 50°C [14°F and 122°F]

Do not store in wet or very hot environment.



Allowable environmental conditions

Use – relative humidity: 0 % to 90 %, non-condensing

Storage/transportation – relative humidity: 20 % to 90 %, non-condensing

Splash - Fresh water, rain, salt water, urine, dust, sand, particles of foam cosmetics

cleaning required after contact with salt-laden air, salt water, chlorinated water, urine, sand

Unallowable environmental conditions

Storage/transportation: high vibrations, impacts

Cleaning agents containing solvents

CE Conformity

This product meets the requirements Council EU 2017/745 (EU) 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.

- Rated up to 136kg (300lbs) – moderate, not high, activity level.
- Limited one-year warranty.

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