



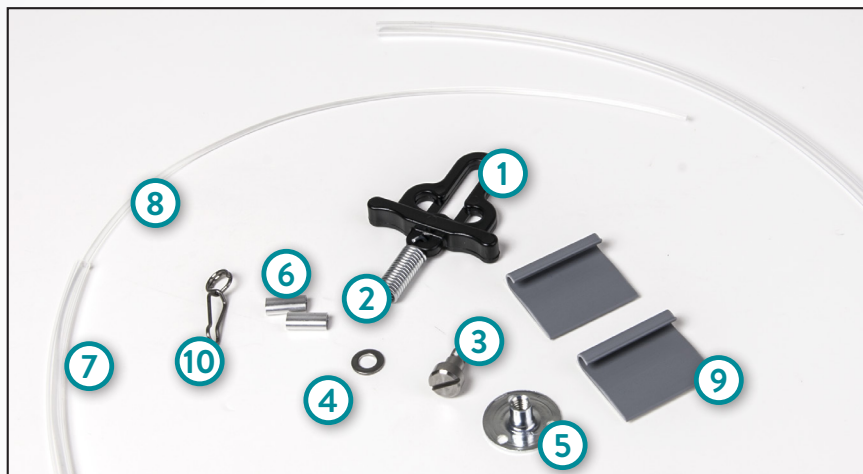
GUARDIAN™

friction brake knee



college park
TECHNOLOGY for the HUMAN RACE

*fabrication
instructions*



PACKAGE CONTENTS

- | | | |
|----------------------|------------------------|-------------------------|
| 1. Manual Lock Lever | 5. Threaded Coupler | 9. Attachment Clips (2) |
| 2. Extension Spring | 6. Locking Collars (2) | 10. Lanyard Clip |
| 3. Shoulder Screw | 7. Plastic Tube | |
| 4. Washer | 8. Nylon Lanyard | |

INSTRUCTIONS



1. Enable Locking Mode

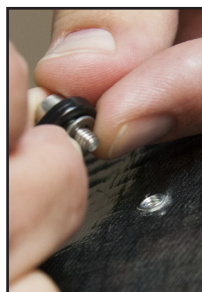
Note: Do not remove the release screw or apply Loctite

Extend the knee joint.

Turn the release screw counterclockwise 1-2 turns. Gently push up on the locking arm until it clicks into place.

Apply load to the toe of the prosthesis (slight compression of the knee is required to ensure the lock is engaged).

! Caution: Test the knee to ensure it does not flex, prior to patient fitting.



2. Mount Lever to Socket

Laminate coupler into socket or drill a 6mm hole in desired location for the manual lock lever.

Note: Coupler must be flush with outer socket surface or lever may not work.

Thread shoulder screw through lever slot and washer, rounded corners facing socket. Apply Loctite® 242, then thread onto coupler. Torque to 2 N-m.



3. Distal Attachment

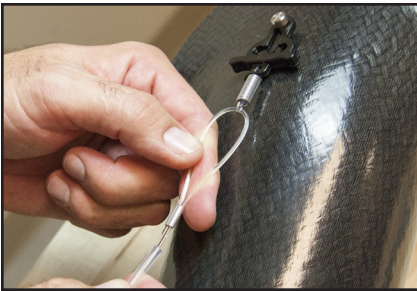
Squeeze lanyard clip to open and attach to knee release lever.



Thread nylon lanyard through attachment spring and locking collar.

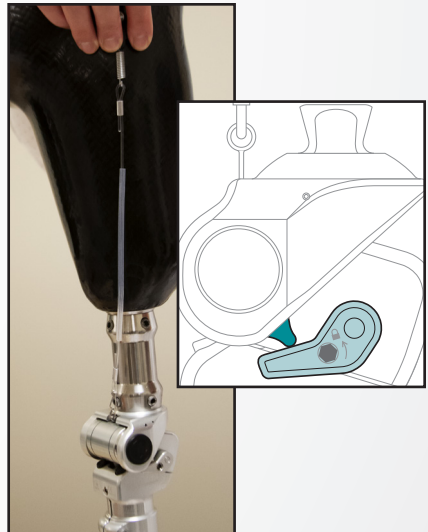
Determine correct length for plastic tubing, then cut. Thread nylon lanyard through tubing.

Note: Do not cut nylon lanyard yet!



4. Proximal Attachment

Thread nylon lanyard through extension spring and locking collar.



5. Determine Length

Determine appropriate length for the lanyard.

Verify the correct amount of tension by pulling up on the manual lever. This will raise the release lever and push the locking arm down.

Adjust the lanyard length to achieve full range of motion on the locking arm.



6. Connect Tubing to Socket

To prevent lock malfunction, tubing/lanyard should be mounted in a straight line.

Place attachment clips in the desired position on socket. Trim or grind the width of the clips as necessary.

Note: Clips should support the direction of the pull, i.e. hook end of clip should be facing posterior.

Connect plastic tubing into clips.



7. Verify Function

Test manual lock function before delivery. Make sure the lanyard is not obstructed and the lever works properly.

Instruct patient on proper use of the manual lock.



8. Trim Nylon Lanyard

Crimp proximal and distal locking collars to secure, then trim away excess lanyard.


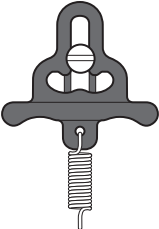

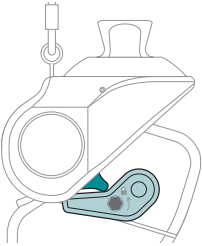
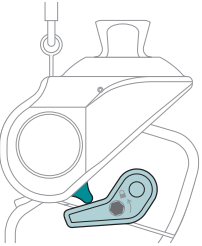
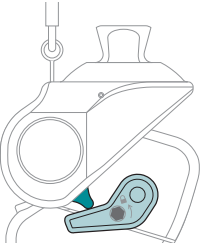
Note: Prior to crimping the locking collar, perform a test fitting with your patient to verify the correct height and alignment of the prosthesis.



USING THE MANUAL LOCK FEATURE

The Guardian can be converted to a locking knee joint. The patient can control when the knee is locked or unlocked, if the knee is set in locking mode and the manual lever is installed.

Note: Instruct the patient on proper use of the manual lever. Make sure they understand the operating positions.

		
		
<p>Locked Position</p> <p>Standing/Walking: The knee will not flex</p>	<p>Lock Release</p> <p>To Sit Down: Patient should pull upward on the manual lever while shifting their weight forward slightly. This allows the knee to flex.</p> <p>Releasing the lever will return it to the locked position.</p>	<p>Temporary Unlock</p> <p>Deactivates the lock function temporarily:</p> <p>To allow Temporary Unlock, remove the tabs from the manual lever slot. The knee will remain unlocked when the lever is in this position and will operate in stance control mode.</p>

TECHNICAL ASSISTANCE / EMERGENCY SERVICE 24/7/365

College Park's regular office hours are Monday through Friday, 8:30 am – 5:30 pm (EST). After hours, an emergency Technical Service number is available by calling the main line.



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