The Large Roller Skid is designed to increase the range of your camera by keeping it centered in 8” to 12” pipes. This range can be further increased to 15” with the use of Wheel and Light Kits.

NOTE
When using the D33/SL Camera you should use the correct plastic adapter. When using the D46/SL Camera no adapter is required.

1. Remove the protective skid from camera.
2. Slide the white PVC tube over the camera head and move over to the termination spring.
3. Add the D33/SL adapter on to the camera head. (An adapter is not needed for the D46/SL but you may want to apply 1 wrap of Velcro for a snug fit).
4. Slide camera with adapter into the skid. Assure that the adapter and camera are flush with the front of the skid. Hand tighten the thumbscrews to secure the camera in the skid.
5. Slide white PVC tube into the rear of the skid and line up the holes.
6. Hand tighten the thumbscrews through the PVC tube and into the spring coils. (Note that the use of the PVC tube is optional. If not using the PVC tube you should wrap a few turns of Velcro to the termination spring to give the thumbscrews a base to tighten to.)
Adjusting the Diameter of the Skid to Fit Your Target Pipe inside Diameter

Squeeze the skid to collapse it to a diameter smaller than your target line. When doing this keep in mind if you plan to negotiate bends and also your method of entry. While the skid is in the collapsed position wrap a section of Velcro or some method to keep the skid from expanding.

With an open end wrench tighten the locking nut at the leg center pivot bolt. Do this to all three legs. You are now set with a fixed position skid.

Using the Safety/Secondary Retrieval Harness
Use of the retrieval harness is strongly recommended if you are not locking the skid in a fixed diameter position. That is if you allow the skid to expand and contract on its own. (we do not recommend this)

The Retrieval Harness is designed to collapse the skid and for emergency retrieval. The harness is attached to each arm of the skid and connects to a pull ring at the center. To use the retrieval harness, attach a wire or cable of the required length securely to the center ring. By pulling the wire while pushing the push cable, the skid will automatically collapse to a smaller diameter.

The retrieval harness is most effective when the pull ring is as close to the camera push cable as possible. To accomplish this attach two wire ties to the push rod at the camera connection as shown in the diagram below. Secure the pull wire loosely to the push rod by looping a loose tie wrap around it. This will center the pull wire, allowing for the maximum leverage when attempting to collapse the skid. Securely attach a wire tie to the push cable using another wire tie.
Optional Light Installation
The Large Roller Skid has mounting brackets for mounting up to three auxiliary flashlights. Three types of lights are available and they all mount the same way.

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<td>1. Mounting Brackets for lights shown above</td>
<td>2. Slide a cable tie under the mounting bracket, slightly tighten it.</td>
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Large Wheel Installation
Simply remove original wheels and replace with larger wheels.