

Universal Roller Skid



General PIPE CLEANERS

Extension Tube:

The URS is supplied with a 1.5" ID x 7" Schedule 40 PVC extension tube. This tube helps decrease the flexibility of the rear or 'spring' section of the camera making it easier to push in 6" and larger pipelines. It is also threaded to accommodate the rear mounting thumbscrews, allowing for more secure mounting of the spring section of the camera head to the URS. The supplied tube has been designed to fit most applications. You may shorten the tube, extend it, use a different tube or not use it at all.

Most standard camera heads will fit into the supplied extension tube. If your camera head is larger than 1.5" diameter you can try the following options.

- 1) If possible, remove the camera head from the push cable or spring and slide the tube over the push cable or spring before mounting the camera head to the URS.
- 2) Standard thin wall PVC pipe (SDR 26) is available that will accommodate up to 1.73" diameter camera heads.
- 3) #10-32 J Nuts are available by request if you wish to use the rear mounting screws without the extension tube. Call us at 800-245-6200 or 412-771-6300 to order.

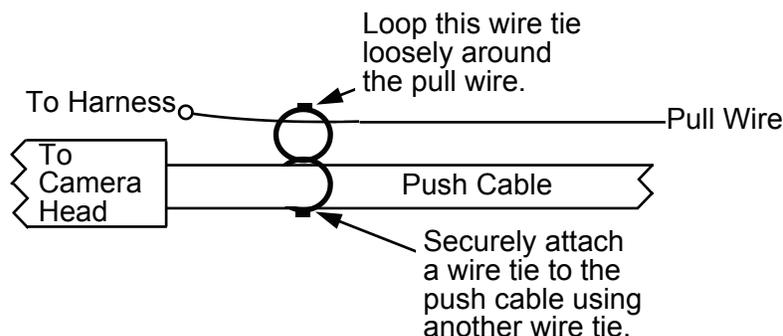
Mounting the Camera Head:

Slide the camera head to the front of the URS so that the LED ring rests against the camera stop guides. Secure the camera head to the front of the URS using the front mounting thumbscrews. Do not use a wrench or pliers, finger tight is sufficient. Use the rear thumbscrews to secure the spring section of the camera to the URS. If the spring section is loosely wound, use tape or a plastic or steel ring to give the thumbscrews a solid base to rest against.

Using the Safety/Secondary Retrieval Harness:

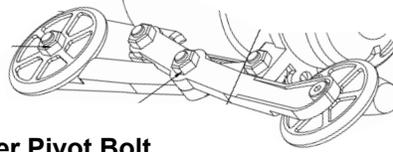
Use of the retrieval harness is strongly recommended. ***It is designed to collapse the URS to aid in negotiating pipelines and for emergency retrieval.*** A harness is attached to each arm of the URS and connects to a pull ring at the center. To use the retrieval harness, attach a wire or cable of the required length securely to the center ring. By pulling the wire while pushing the push cable, the URS will automatically collapse to its smallest 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 the loose tie wrap around it. This will center the pull wire, allowing for the maximum leverage when attempting to collapse the URS.



****** IMPORTANT TIP FOR USING THE ROLLER SKID OVER LONG DISTANCES ******

The URS's spring loaded design may make it hard to push your camera in longer distance lines since the springs will exert pressure against the pipeline wall. ***This friction can be eliminated by locking the URS outer diameter to just under the pipeline diameter.*** To do this, simply tighten the center pivot bolts on each set of expanding arms until they are locked in place.



Center Pivot Bolt

Auxiliary Flashlight Mounting:

The URS provides built-in mounting for up to three auxiliary flashlights. Two optional URS light kits are available. The URS1-L kit includes three water resistant LED mini flashlights providing 6,000cp each. The URS1-M kit includes three water resistant xenon beam flashlights providing 8,000cp each. Other larger flashlights are also available.

Optional Large Wheels:

The URS comes standard with 2" diameter wheels for 6" and larger pipeline diameters. An optional 3" diameter wheel kit is available. To change the wheels simply remove the wheel bolts and wheels and replace with the larger wheels. Use the provided washers to offset the 3" wheels from the arm.

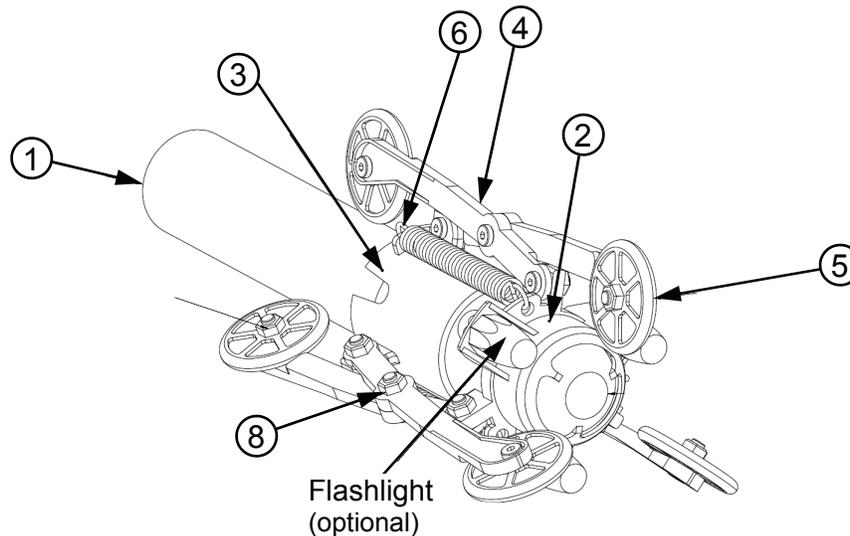
Retraction Springs:

The retraction springs supplied on the URS are sufficient for most applications, however a second set of lighter duty springs is also available. Depending on the weight of your camera, or the pipeline application you may want to try using these springs, call 800-245-6200 or 412-771-6300 to order.

Warranty:

The Universal Roller Skid is completely repairable, and covered by a two-year warranty. If the URS should need repair, contact us at 800-245-6200 or 412-771-6300 .

Parts Diagram:



Item No	Description	Item No	Description
1	Extension Tube	6	Extension Spring
2	Base Housing	6a	Light Duty Ext Spring (Optional)
3	Slide Housing	7	#10-32 Thumbscrew
4	Arm	7a	#10-32 J-Nut (optional)
5	2" Wheel	8	1/4-20 Bolt with Lock Nut
5a	3" Wheel (optional)	9	Retrieval Harness