

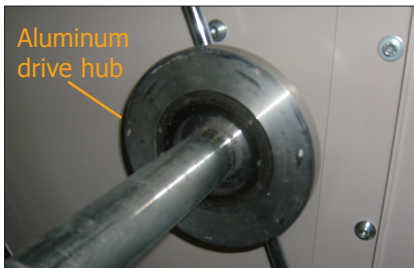
Super Spacer[®] Automation Reels
Bystronic Glass

In order to maintain the quality of product from our production to yours, as well as providing a more environmentally friendly solution to empty reels, the automation reel has been redesigned and is now being utilized with all automation reel orders.

1. An improvement on the deliverability of the product
 - a. We want to ensure that the product arrives at your facility in the same state as when it left our production. To ensure this occurs, a mechanical locking slot has been added to the core and outer flange to replace the tape being used to keep the product in place.
2. Environmentally friendly
 - a. The new reel design allows for easy disassembly as well as the ability to recycle 100% of the material.
 - b. Also, when the reel is disassembled, the amount of space required to store the reel is significantly reduced.

Some minor adjustments may be required to the automation line in order to utilize the new reel. This is a one time adjustment and non-invasive to the equipment. Please see the following for your particular piece of equipment:

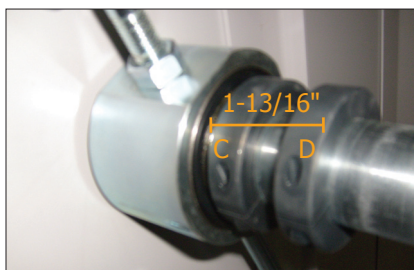
1. Remove hub from shaft



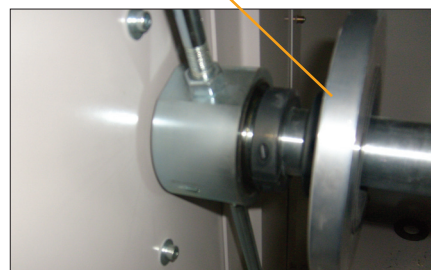
2. After hub is removed...



3. a. Install locking collar tight against bearing
- b. Place 2nd locking collar 1-13/16" from back side of 1st locking collar. Lock down both collars.



4. Replace aluminum drive hub



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Rev. #	Revisions Made	Rev. Date
2	Formatting	06-11
1	Revision date	05-23-07