Compliant Conveyor Crowder

Data Sheet

for PN 22296082

Purpose

Mounted on the rear conveyor rail, the Compliant Conveyor Crowder extends to press and hold product flush against the front conveyor rail. The crowder retracts to allow product to enter and exit the work area. The leading edge of the crowder is spring-loaded to deflect approximately 0.381 mm \pm 0.127 mm (0.015" \pm 0.005").

Adjustments

Refer to mechanical assembly drawing 22296056 (see page 2) during the following procedures.

Stroke Adjustment

To adjust how far the Conveyor Crowder opens and closes, adjust the position of the thumb screws located in the end of each Crowder Base Block (Items 6& 7) as needed. The thumb screws act as a stop for the Actuator Shaft (Item 9).

Align Conveyor Crowder with Conveyor Rail

To adjust the lateral alignment of the conveyor crowder so it is parallel with the conveyor rail, loosen and tighten the cap screw (Item 27) and set screw (Item 35) located in the Y-Axis Alignment Plate (Item 12). The screws push/ pull the position of the Alignment Plate.

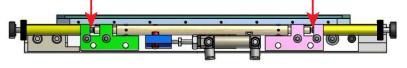
Maintenance

Monthly

It is recommended that you lubricate each end of the actuator shaft on a monthly basis.

Refer to mechanical assembly drawing 22296082 (see page 2) during the following procedure.

1. Lubricate each end of Actuator Shaft (Item 9) with a general purpose oil.



VIEW FROM OUTSIDE OF RAIL

2. Distribute the oil by actuating the conveyor crowder assembly several times using the I/O Viewer. Use the "Crowder" I/O listed under the "Work Area" class. For detailed instructions, refer to *IO Viewer* in the *Appendices* section of the *FLOware Software Guide*.

