

Installation Recommendations for Bearing Units with Plastic Housings

Preparation

The inside of all tubes must be deburred.

Installation

- Scuffing must be avoided – Scuffing is indicated by a build up of “shredded” or “rolled up “ plastic between the flange of the bearing and the end of the tube.
- Bearing unit should be pressed into the tube with a device that conforms to the face of the unit to exert even pressure.
- Avoid excessive and non-uniform pressure on any one component.
- Bearing units should not have any preload from spring and crimp positioning.
- Shaft should have 1/16” to 1/8” free play before contacting bearing.
- Swaging the tube ends approximately 0.020” overall should be sufficient for retaining the bearing housing.
- Tube diameter decreases in excess of 0.030” are not recommended.
- Each completed roller should be test spun to assure smooth operation.

Any deviation from the recommended practices and procedures should be carefully evaluated.