



## Service Bulletin

Reference # 2013-001

**Subject: Replacing the flexible dust collection ducting on a DYNATEK Articulating Loader.**

A majority of DYNATEK™ Loading Systems feature retractable dust spouts that are connected to the plant's dust collection system using 4", 6", 8" or 10" diameter steel & flexible polyurethane ducting. The flexible ducting is a wear item and periodically, will need to be replaced. The following instructions have been provided to make that process as quick and easy as possible.

### **Important!**

1. A hard-hat, safety glasses and protective gloves are strongly recommended when working around heavy machinery.
2. Use only equipment & tools known to be in proper working condition.
3. Review and comply with all company and site-specific safety protocols.
4. Collisions between the loading system and the transport vehicle can cause serious damage. Always position the loader clear of the area the transport vehicle uses to enter or leave the loading area when loading is not in progress.

### **Equipment & Tools Required:**

- Man-lift or ladder
- 3/16 Flat-head screwdriver or 5/16" nut driver
- Razor knife
- Heavy-duty diagonal wire cutting pliers
- 12 feet 6 inches of Flexaust Flexadux® Flx-Thane® SD flexible hose (or equivalent with a minimum operating temperature range from - 40 to 160 degrees F).

### **Installation Process:**

- \_\_\_ 1) Position both loading arms straight in-line with one another.
- \_\_\_ 2) Loosen the band clamps used to secure the damaged flexible hose to the loader's metal ducting & ball joint.
- \_\_\_ 3) Remove the damaged flexible hose.
- \_\_\_ 4) Lay the new flexible hose straight out on the ground and cut to a length of 12' 6" using The razor knife and diagonal wire cutters.
- \_\_\_ 5) With the loading arms straight and inline (important to prevent over-twisting), attach the new flexible hose using the original band clamps and tighten.

Note: If 12' 6" of flexible ducting is properly installed, there should be no need to tie up the middle of the ducting to prevent dragging or interference with the railcar or truck. Additionally, using a rope or wire to tie-up the middle of the flexible ducting will cause premature wear and failure.



Incorrect



Correct

**Note:** The ball joint shown in the upper left corner of the "Correct" photo is strongly recommended to prevent twisting in the flexible ducting. Using a ball joint as shown, dramatically increases the useful life of the ducting.

**Note:** Pricing and availability information for the ball joints and Flexadux® Flx-Thane® SD clear, flexible ducting rated for use in temperatures ranging from -65 to 200 F, can be obtained from DYNATEK.

**Note:** If you have questions or need further assistance, please contact DYNATEK Customer Service at [garyk@dynatekloadingsystems.com](mailto:garyk@dynatekloadingsystems.com) or 262.392.2162 Ext. 260