

Bump Bar Agitator Installation Instructions

OPERATION:

Most feeds are delivered smoothly and trouble-free through an Osborne Big Wheel® Feeder. A small percentage of feeds, however, pose a special problem. These feeds seem to “float” above the feed knife in the hopper bottom. These are: 1) Very finely ground or powdery feeds, especially high-moisture corn 2) Finely ground oats or oat/corn mixture. This problem is easily overcome by adding vibration into the feed hopper with two “bump bars”.

INSTALLATION:

- 1) The feed hopper should be empty to install the bump bar.
- 2) The bump bar attaches to the crossbar that supports the cone. Insert the threaded end of the bump bar through the 3/8-in hole provided on each side of the crossbar center. If no hole exists, drill a 3/8-in. hole:

- 5 inches from center for 4.5 bushel RN1 or RF2 OR,
- 3 5/8 inches from center for 3.0 bushel RN3 and 1.0 bushel RN4
- 7 1/2 inches from center for 7.5 bushel RF1 and 15 bushel RF3

The 5/16-in. rod should fit loosely in the 3/8-in. hole. Secure rod with 5/16-in. flat washer and 5/16-in. lock nut as shown in Figure 1. Adjust the length of the bump bar (using the threads and the self-locking nylon insert nut) leaving about 1/4-in. clearance between the two interlocked eyes on the bump bar as shown in Figures 2 and 3.

- 3) Generally, two bump bars per feeder are recommended to induce feed flow.

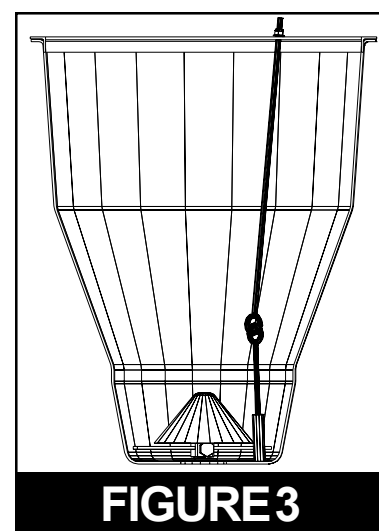
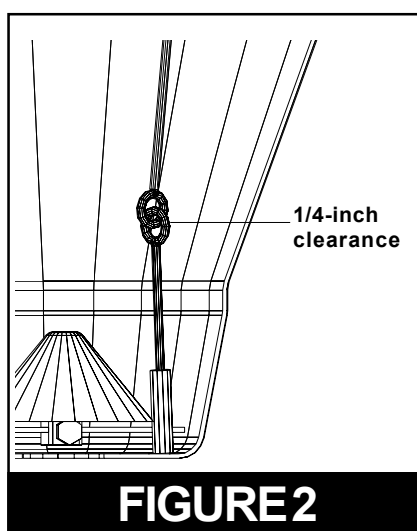
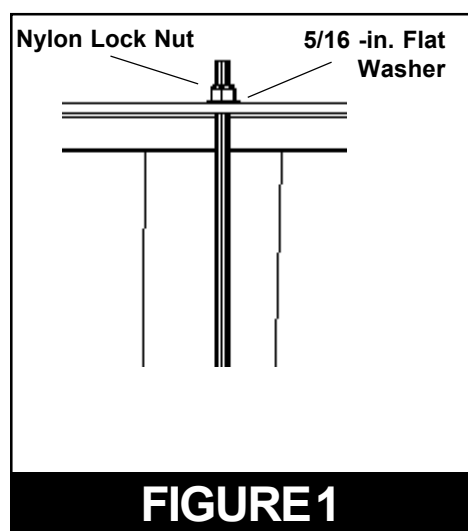


Figure 1 shows the lock nut and washer set on the rod above the crossbar with the lower end of the bump bar (figure 2) touching the bottom of the feed hopper.