

# ***Technical*** Bulletin

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**Subject: Lubrication of Ball Screws and Nuts on Rico Die Handlers**

The following information pertains to the ball screws and nuts on all Die Handlers manufactured by BPR/Rico. As with ball bearings, ball screws also need to be lubricated. BPR/Rico recommends lubrication of the ball nuts and screws every 30 days. This will help prevent atmospheric corrosion and pitting of the screw surface.

The initial “run-in” lubrication has been done at BPR/Rico when the truck is manufactured, and is good for the first 30 days of use. Every 30 days thereafter, both the screws and the nuts, must be re-lubricated using the spray lubricant (part# 99855694). The lubricant does not allow dirt to build up in the bearings, as a result will prolong the life of the bearing. BPR/Rico does not recommend the use of any other lubricating product for use on Die Handlers. In order to distribute the lubrication evenly throughout the ball screw and ball nuts moving elements, we recommend that the ball nut be ran three to five times over its complete operating stroke.

When re-lubricated with proper frequency, the ball screws and nuts should achieve their maximum rated fatigue life. Lubrication and bearing life will also be affected by high operating temperatures and over loading. Re-lubrication intervals can best be determined by experience.