



MNB BEVEL GEAR ACTUATORS

USED ON GKU KNIFE GATE VALVES

Instruction **D10470**

March 2009

DeZURIK

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Instructions

These instructions provide information about manual actuators. They are for use by personnel who are responsible for installation, operation and maintenance of manual actuators.

Safety Messages

All safety messages in the instructions are flagged with an exclamation symbol and the word Caution, Warning or Danger. These messages indicate procedures that must be followed exactly to avoid equipment damage, personal injury or death.

Safety label(s) on the product indicate hazards that can cause equipment damage, personal injury or death. If a safety label becomes difficult to see or read, or if a label has been removed, please contact DeZURIK for replacement label(s).



WARNING!

Personnel involved in the installation or maintenance of valves should be constantly alert to potential emission of pipeline material and take appropriate safety precautions. Always wear suitable protection when dealing with hazardous pipeline materials. Handle valves, which have been removed from service with suitable protection for any potential pipeline material in the valve.

Inspection

Your manual actuator has been packaged to provide protection during shipment; however, it can be damaged in transport. Carefully inspect the unit for damage upon arrival and file a claim with the carrier if damage is apparent.

Parts

Recommended spare parts are listed on the assembly drawing. These parts should be stocked to minimize downtime.

Order parts from your local DeZURIK sales representative, or directly from DeZURIK. When ordering parts, please include the 7-digit part number and 4-digit revision number (example: **9999999R000**) located on the data plate attached to the valve assembly. Also include the part name, the assembly drawing number, the balloon number and the quantity stated on the assembly drawing.

DeZURIK Service

DeZURIK service personnel are available to install, maintain and repair all DeZURIK products. DeZURIK also offers customized training programs and consultation services.

For more information, contact your local DeZURIK sales representative or visit our website at www.dezurik.com.

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Mounting

1. Thoroughly Degrease mounting flange of valve and mounting base of actuator.
2. Fasten actuator to valve with Grade 5 (minimum) bolts and spring lock washers.

Operation

1. Bevel gear actuators are operated manually with handwheel or chainwheel.
2. Rotating the actuator input shaft clockwise closes the valve.

Maintenance

1. Bevel gear actuators do not require routine maintenance.

Lubrication

The bevel gear actuator has been lubricated at the factory. Greasing with a grease gun at regular intervals should be done depending on frequency of operation using one of these lubricants:

- Keystone Zeniplex-1 (**recommended**)
- Amoco Amolith Grease #1-EP (alternate)
- Amsoil GHD (alternate)
- Mobil Mobilux EP 1 (alternate)
- Shell Alvania EP 1 (alternate)
- Texaco Multifak EP 1 (alternate)

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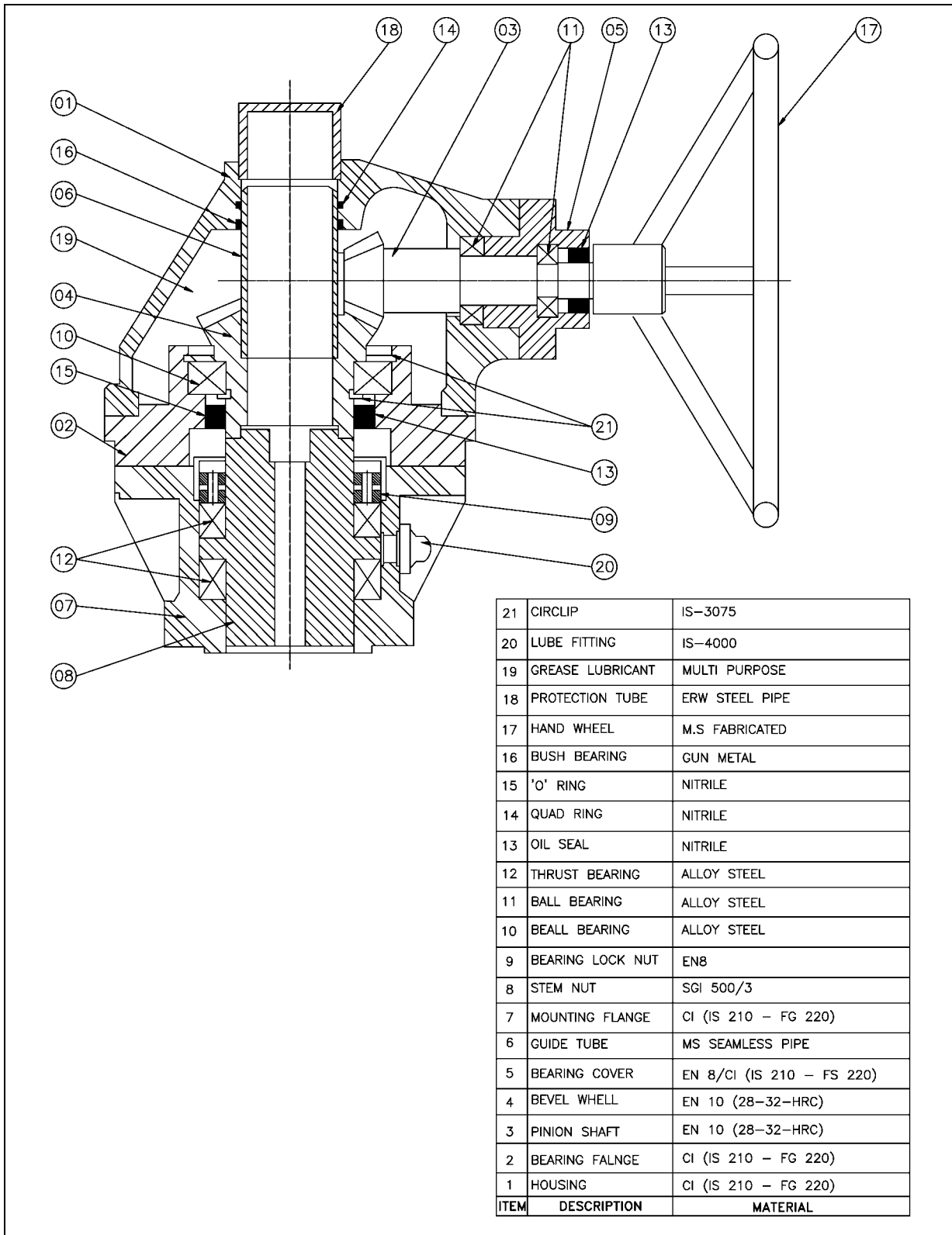


Figure 1 – Actuator Assembly