



CDS Corporation  
PO Box 896  
Sparta, NJ 07871  
Telephone : 973-300-0090  
Fax : 973-300-0061  
Email : info@cdsindexers.com  
www.cdsindexers.com

## **GLR OUTPUT OVERLOAD PROTECTION.**

The GLR series of output overload torque limiters are designed to provide mechanical protection to the cam indexer. They feature an infinitely variable breakaway torque setting, and a series of roller detent bearings to provide a smooth action when the torque limiter is activated.

### **Trip The Overload Protection Manually**

- 1) Loosen the torque adjustment nut (A) so that the springs are no longer in tension. (See Fig. a)
- 2) Cycle the indexer by hand (place an allen key wrench in the back of the motor and turn by hand).
- 3) The Torque limiter will activate and the proximity sensor should read a signal (See Fig.b), if the torque limiter does not disengage then additional resistance may be required on the output side of the torque limiter. This can be achieved by holding the pallets on the conveyor.

*Note : If the proximity sensor does not read a signal then reposition the sensor.*

### **Resetting The Torque Limiter**

- 1) Place an allen key wrench in the back of the motor, turn the key a number of times until the indexer has made **one complete 360° revolution of the output shaft**. The torque limiter will now “click” back into place and the system is reset and ready for use.

*Hint : Before resetting the output torque limiter it is good practice to mark a reference point on the output shaft of the indexer. This makes it easier to see that the shaft has made one complete revolution.*

### **Setting The Breakaway Torque**

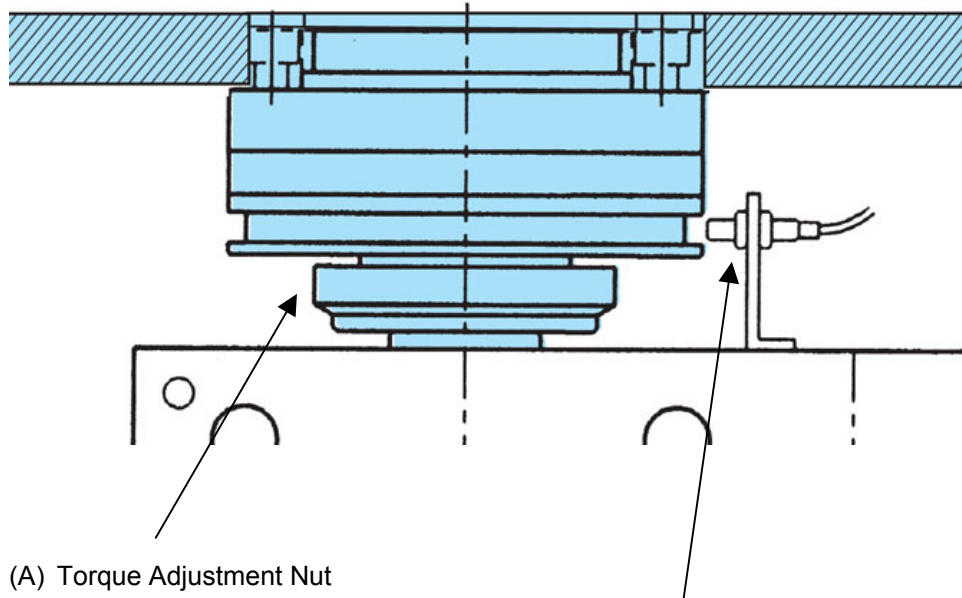
- 1) Tighten the torque adjustment nut (A) until the bevel springs are no longer loose.
- 2) Tighten the nut a further 1/8 of a turn.
- 3) Cycle the indexer by hand, if the torque limiter is activated then reset the torque limiter and tighten the nut a further 1/8 of a turn, repeat this sequence until the unit no longer trips in normal operation.

#### **Disclaimer :**

CDS and its agents do not attempt or provide to certify or claim that the GLR series of Output Torque Limiters are a personal protection device. It is the persons / organization making the final assembly of any system utilizing the GLR's responsibility to ensure that the unit is correctly and properly protected by safety devices to ensure correct and safe operation with no risk of personal injury or damage to property.

Fig. a

Output Torque Limiter Normal Operation

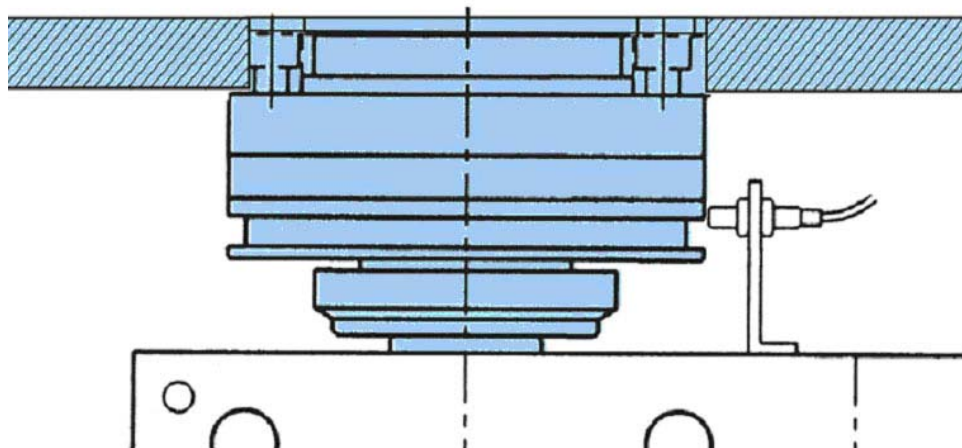


(A) Torque Adjustment Nut

Proximity Sensor & Bracket

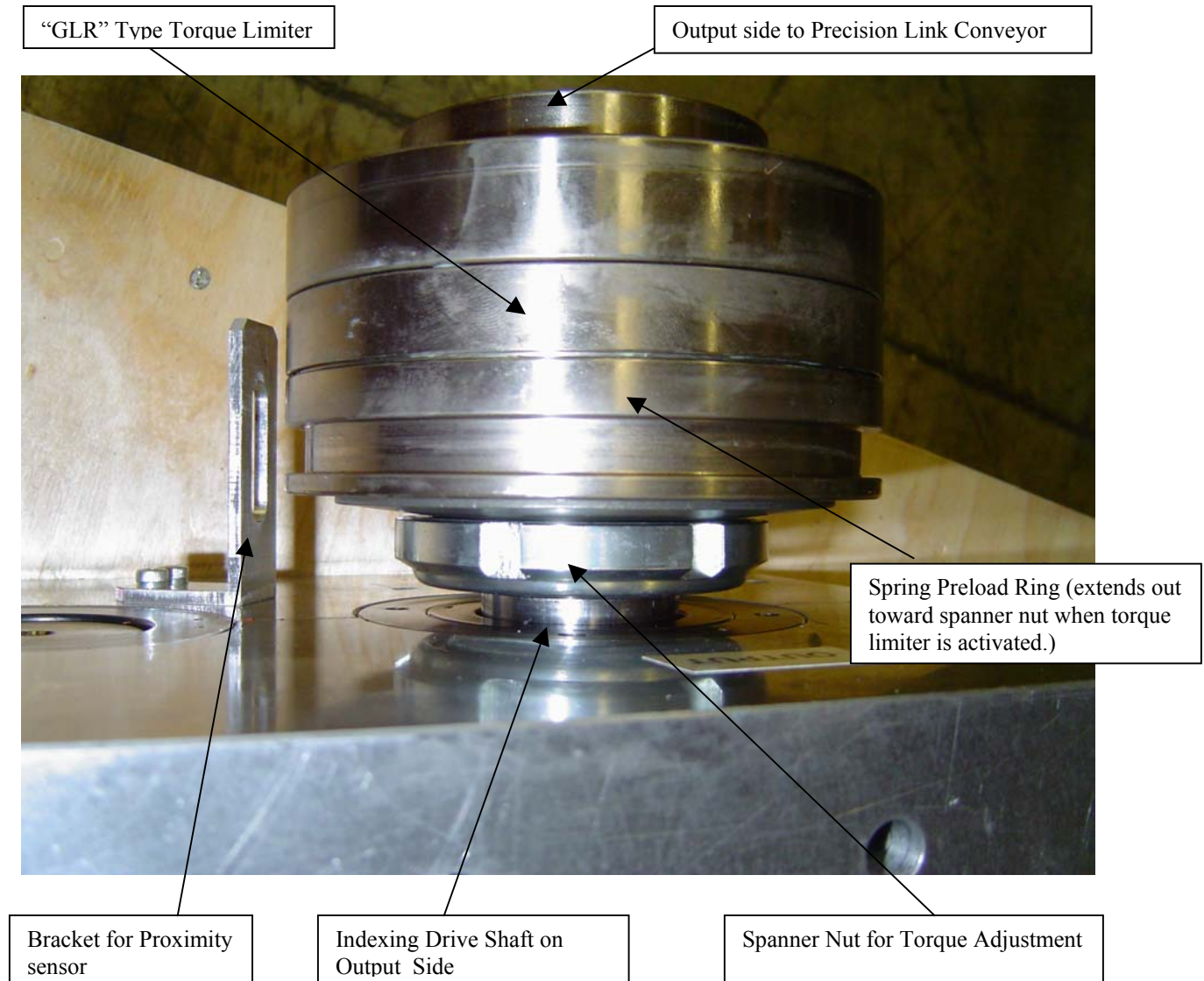
Fig. b

Output Torque Limiter After Unit Has Been Tripped





CDS Corporation  
PO Box 896  
Sparta, NJ 07871  
Telephone : 973-300-0090  
Fax : 973-300-0061  
Email : info@cdsindexers.com  
www.cdsindexers.com



Picture of bottom side of GLR torque limiter showing spanner nut for torque adjustment on bottom side and bracket with slotted opening for proximity sensor on left side