

Application

Turret on Heavy Vehicle Crane or Fire Truck

Industry

Cranes
Fire Trucks
Heavy Vehicle Cranes

Application Overview

The measurement of turret angular rotation is vital in heavy duty equipment and aerials. Normally, the operator of the vehicle must know exactly where the aerial arm is during set up and operation.

Application Challenges

- Challenging environment (cold, hot, wet, humid, shock & vibration)
- High Mean Time Before Failure (MTBF) rating
- High vibrations and stresses on gear

Solution(s)

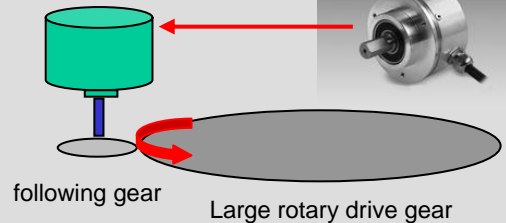
Baumers line of magnetic, absolute encoders are the perfect solution for this challenging application. The MAGRES BMMV/BMMH series with 12bit S-T/12 bit M-T counting, SSI or CanOpen Interface, has the highest MTBF and will not succumb to contamination reaching inside the encoder like a typical optical encoder. The MAGRES series also features a special patented electronic counter for virtually infinite counting of the rotating following gear as standard in our M/T encoders. Typical optical encoders in the marketplace use mechanical gearing for counting multiturns (M/T) and optical LED's and glass which have low MTBF ratings. Also, the magnetic sensing encoder is more forgiving and tolerates 3-5 times more shock and vibration loads than typical optical encoder in the marketplace.

Supporting Documentation

- Baumer website
- www.baumer.com
- Flyer on the Baumer website
- http://motion.baumergroup.com/productnavigator/scripts/product.php?pid=BMMV_58K_SSI_MAGRES&cat=Absolute_Drehgeber&psg=Abtastprinzip_Absolut|344761107,Schnittstelle_Absolut|Schnittstelle_SSI&language=en&r=1&ptk=TSM_Aufloesung_BE|12|13,TSM_Welle_BE|C0&country=&header=



MAGRES BMMH 58 or BMMV 58



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