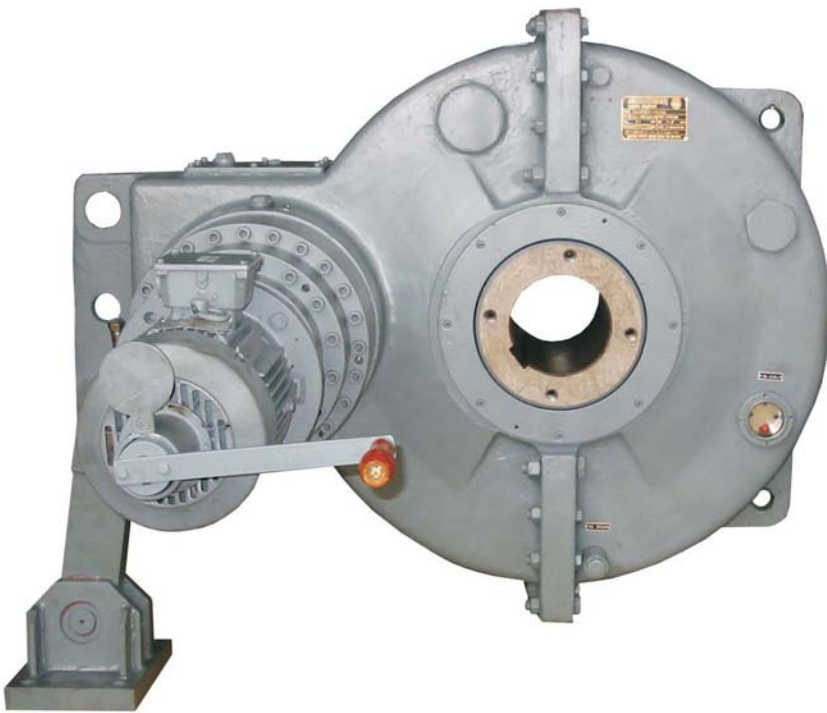


## HIGH EFFICIENCY PLANETARY GEARED DRIVES For BOILER TRAVELLING GRATE

**MAGTORQ GRATE DRIVES** are specially designed for any traveling grate application. With the vast experience in designing custom built gear units for complex applications for many years, MAGTORQ has perfected the design considering all application parameters and site conditions. This drive is designed to eliminate the problems faced with conventional grate driving arrangement followed since many decades, in operation and maintenance



MAGTORQ GRATE DRIVE is designed as a ready to install drive, so that replacement of existing installations is easy and quick. Simple design and easy installation make it a definite winner for your Grate drive enhancement program.

The Magtorq Grate Drive is offered with Electronic Drive arrangement to get wide speed ranges such as 10:1 and above. The electronic programmable drive helps in easy setting of operation parameters and overload limits and tripping arrangement. Also smooth acceleration and decelerations will avoid any shock loading on the mechanical system which ensures long life.

### Check following special Features

- Hollow shaft, shaft mounted type design
- Easy for installation, operation and maintenance
- No chain, sprockets, no couplings, less mechanical linkages
- Drive is fitted on to the shaft with positive fitment with key arrangement and hence no chance of slipping during heavy loads.
- Wide speed range possible 10:1 and above
- Electronic torque limit and tripping arrangement so that time consuming shear pin type mechanism is totally avoided.
- Speed can be controlled from DCS through 4-20mA or 0-10V DC speed reference signal
- Smooth acceleration and deceleration for enhanced mechanical life of the total system
- Grate drive can be given in the various motor ratings and speeds.
- Special Feature : In case of jamming, the drive automatically gets reversed for few seconds and again operated in forward direction. After set time, if jam is not cleared with the above operation, the controls will stop the drive and give alarm.

### Advantages :

- Easy operation, fewer parts to maintain thereby reduction in labor cost and inventory
- Easily fits on existing system and hence no cost for any modification for adopting Magtorq Grate Drive.
- Electronic drive facilitates easy forward/reverse operation and hence saves costly repairs due to jams caused by tramp material
- Smooth speed control reduces shocks and wear and tear on mechanical system
- Totally eliminates external hydraulic pump and cylinder and leaking hydraulic components resulting in fewer parts to maintain and allows much cleaner operation.
- High efficiency planetary gear unit and hence lower horse power required
- System is designed to accept 4-20mA /0-10 V DC from Boiler DCS control facilitating control of the speed according to the application demand

*For details and assistance, contact:*



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