

## **Autogard Torque Limiters**

**Product:** Series 820 Torque Limiter



**Application:** Scraper conveyor for dust hoppers – Cement Production

### **Function:**

As part of the process of manufacturing cement, the kilns are fitted with drag conveyors to collect the dust which drops through the hoppers. If any foreign bodies or a build-up of dust blocks the mechanism, severe damage can result. The conveyors were originally fitted with shear-pins but owing to the time required to replace these the downtime and lost production were excessive.

### **Drive Specification:**

AC electric motor and chain drive to the conveyor.

### **Torque Limiters:**

Ultra Module compact high-capacity torque limiter system incorporated into a 700 mm diameter duplex sprocket rotating at 6 rpm. 6 modules give a disengaging torque of up to 21,000 Nm. Two additional modules can be fitted if required. The modules can be disengaged manually to disconnect the drive for maintenance purposes.

### **Benefits:**

Downtime has been greatly reduced, as the drive is disengaged immediately there is a jam, and the modules are reset simply by tapping them as soon as the jam has been cleared.

The Ultra-Module is a cost-effective and compact solution which gives a very rapid payback.