



Product

CECON Clutches

Application

Steel Strip Mill

Highlights

- Completely enclosed and designed for high-speed, continuous-duty applications
- 2,000 lb.ft. torque rating
- 4,200 RPM max speed
- Sealed self-circulating and self-filtering lubrication
- SAE 52100 alloy steel rollers

A major steel manufacturer needed a clutch solution for one of its large strip mills in the US. The mill utilizes two drives, one electric motor powers the mill when operating at normal production speeds, a low-speed motor drives the mill when inching or creeping speeds are required for inspections or servicing. Positioned between the two drive motors, the clutch provides a smooth transfer of power from one motor to the other without stopping the mill. The low speed drive is limited to one direction of rotation and cannot be reversible.

Marland CECON 2M clutches were selected to provide automatic, instantaneous change-over from one drive to the other without complex controls. CECON clutches are completely enclosed and designed for high-speed, continuous-duty applications in unprotected, adverse environments.

The CECON 2M models supplied have a 2,000 lb.ft. torque rating with a max speed of 4,200 RPM. All models feature SAE 52100 alloy steel rollers, energized springs that ensure positive engagement and an aluminum alloy cage with precision-machined roller pockets which provide controlled spacing and load sharing. Lubrication is self-contained in the sealed housing and provides self-circulation and self-filtering through stainless steel filter strainers.

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