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**Application**

Rolling Mill Side Guide Position

**Products Used**1986, 1746, 2120

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**Problem**

When steel is rolled down to a smaller gauge a rolling mill stand is used to roll the steel to the proper gauge. Steel when rolled will grow in length as well as in width. To prevent changes in width, side guide controls are used. These guides are screw driven from the side of the rolling mill stand.

**Solution**

Gemco dual resolvers as well as geared single turn resolvers have been successfully applied in these applications. The resolvers are the preferred method due to the shock, temperature and lubrication seen near the mounting point. The resolver can then be fed back directly to the Gemco 1746R or 2120R modules to help automate this process.

**Benefits**

- Absolute continuous feedback
- Withstands high temperature -40°C to 125°C
- Withstands high shock and vibration

**Conclusion**

The Gemco brand products are designed and built to withstand the severe environmental conditions within a Steel Mill. There are a wide variety of options available to ensure longevity and survivability in the most hostile environments. Ask for our Steel Mill Capabilities brochure for a complete list of Gemco products used throughout the Mill.



# Steel Mills



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