

HIGH-FREQUENCY BRAKING FOR STEELWORK CRANES

PROBLEM

Steelwork operations involving Black Smith Hammer cranes demand extremely frequent and precise braking, every second for up to 6 hours daily. Traditional braking systems struggle to keep up with this intensity, risking performance degradation and operational delays.

SOLUTION

Svendborg Brakes installed **2 x BSFI 300 MS brakes** on each drive of two 330-ton cranes powered by 250 kW motors. To support the high braking frequency, a special high-speed motor was continuously running the hydraulic power unit, ensuring rapid and reliable brake activation.



HIGHLIGHTS

- **BSFI 300 MS Brakes:**
Designed for high-frequency industrial use.
- **Rapid Response:** Brake opening time of just 0.3 seconds.
- **Heavy-Duty Application**
- **Continuous operation** every second for 2 hours, totaling 6 hours daily
- **Custom Power Unit:**
High-speed motor ensures consistent hydraulic pressure and responsiveness.



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The proper selection and application of products and components, including assuring that the product is safe for its intended use, are the responsibility of the customer.

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