FEATURES AND BENEFITS: RB-SA

RB-SA Rail Brake-Self-Adjusting

Brelx new RB-SA Series of Self Adjusting Rail Brakes were developed specifically to address problems with crane rail vertical fluctuations.

Our new rail brake solves this problem by permitting a large rail deviation while providing uniform capacity over the full range of movement.

KEY FEATURES:

- Completely spring set brake
- Two step braking to first adjust the rail brake to existing rail to shoe clearances; then apply the full load
- Brakes designed for extra-long spring life
- Compensates for up to 50 mm rail deviations with full rated capacity
- All components are fully enclosed in a sealed housing, out of the elements.
- All components are fully serviceable without removing the rail brake. Simply remove a cover and remove/replace.
- NO RELEASE SHIMS: The rail brake can be emergency released by three methods: Hydraulic hand pump in the HPU, by load removal screws and shoe removal
- Load removal screws can also be used for caging.
- Compact design fits most existing locations, even those with drop pins. Low height allows retrofitting with adapter flanges.
- Proximity switch for release indication.
- Brake shoes easily removed and replaced.

Spring set – Hydraulic release

Brelx external Hydraulic Power Unit HPU

Spring set – Electric release

Electric Linear Actuator: Attached to Rail Brake
- Released with fully electric linear actuator
- No hydraulic oil, no possibility for oil spill / leaks
- Means for mechanical release in case of power loss
- Prewired Junction box
- Mechanically adjustable control of setting time at site
- Electric actuators are cleaner, easier to control, and require less maintenance than hydraulic cylinders
- Electric Actuators are much more reliable than hydraulic equipment
- Eliminate fossil-based hydraulic fluids which are potentially toxic to humans, along with being harmful to the environment

NOTE: Equipment controls and integration into crane's PLC – by others. Existing PLC loop time latency to be verified.