

## RB-SA RAIL BRAKES – SELF ADJUSTING



**RB Rail Brakes compensates an extra large  $\pm 19\text{mm}$  rail vertical fluctuation by automatically adjusting before braking.**

RB-SA Rail Brakes are designed with a two-stage braking process; first stage compensates shoe to rail head travel and the second stage provides full spring force on the top of a rail.

They are spring set and hydraulically OR Electrically released. Once released, the brake hangs above the rail at a pre-designed clearance.

Actual braking capacity depends on the applied force and applicable coefficient of friction (different for static and dynamic braking).



### Applications:

- Ship to shore cranes
- Rail Mounted Gantry Cranes
- Automated stacking cranes
- Log Handling Cranes
- Wide Span Cranes
- Ship Loaders

### Benefits

- Completely spring-set rail brake
- Allows up to 38mm rail deviation while providing uniform rated capacity over the full range of movement
- Consistent spring stroke for longer spring life.
- Serrated / Smooth shoes fully protected from hitting the top of the rail for less wear and tear
- All components, including the hydraulic release cylinder are fully enclosed in a sealed housing, out of the elements
- Flow control valve installed on the brake for controlled setting time
- Proximity switch for release indication signal
- Brake shoes easily removed and replaced
- Made with high quality structural steel
- Compact design fits most existing locations, even those with drop pins. Low height allows retrofitting with adapter flanges.

