

FEATURES AND BENEFITS: S-D-RB-C

RB-C Rail Brakes – Classic Static & Dynamic

SRB-C Static Rail Brake with serrated shoe for static braking. A parking brake applied when crane comes to a full stop.

DRB-C Dynamic Rail Brake with smooth shoe for static braking. Dynamic braking only in an emergency.

Brelx Classic series of Rail Brakes are spring set, push-down brakes, utilizing the weight of the crane. Hydraulically released, Rail Brake hangs above the rail at predesigned clearance. Stack of disc springs provides a force that applies the shoe on a rail thus creating a friction force along the rail. Brake mounting clearance (bottom of the shoe to the top of the rail) and rail deviation affect achievable braking force.

Rail height fluctuations are typically caused over time by settling and fatigue failures of the rail support foundations. This has caused big problems for traditional Rail Brakes. It has either triggered the impact to the rail brake (high rail), causing damage to the rail brake, crane, and rail; or it has resulted in such large gaps between the rail brake and the rail (low rail) that the brake no longer produces adequate force or capacity.

Brelx redesigned SRB / DRB Classic Rail Brakes to achieve rated braking capacity at the highest installed clearance in the industry.

It provides consistently greater braking / holding force at increased shoe to rail clearances. Unique design and spring selection allows unrestricted spring movement for greater rail height fluctuation, still ensuring long spring life.

KEY FEATURES:

Spring set – Hydraulic release by Brelx external Hydraulic Power Unit HPU

- Largest installation clearance (“16mm air gap”) in the industry allows for larger rail height deviation.
- Brake units have longer stroke (35 to 45mm) to accommodate rail vertical fluctuation
- Oversized springs for greater spring life and reduced maintenance
- Flow control valve installed on a brake for controlled setting time
- IFM Proximity switch for release indication signal
- Brake shoes easily removeable and replaceable
- Brakes are fabricated from high quality structural steel
- ISO 12944-9 C4 Corrosion protection paint system for coastal areas
- Emergency release Spacers
- Installation bolts can be used as Emergency Release Bolts
- Manual release (hand pump installed on the Hydraulic Power Unit)