Leading Features –Rail Brakes-Self Adjusting series RB-SA

	Item	Description
A.	**SAFETY**	• BRELX rail brakes are spring set; can be released manually by hydraulic pressure. • BRELX design allows for unrestricted spring movement. • Permitting a large rail deviation while providing uniform capacity over the full range of movement. • Brake manufactured from good quality structural steel
B.	**MAINTENANCE ABILITY**	• Maintenance friendly system • Shoe replaceable in field without brake removal from the crane. • 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, or by Enerpac cylinder and screws. Load removal screws can also be used for caging.
C.	**QUALITY & PERFORMANCE**	• Patent pending, simple and very reliable mechanism to first adjust the rail brake to existing rail to brake clearances; then apply the full load. • Unique design ensures full capacity regardless of rail deviation up to 38mm while still ensuring long rail brake spring life. • All products are quality inspected as per BRELX standard quality policy. • All BRELX products are hydraulic proof-tested before shipment. • All BRELX products are with CSA, UL approved components and bear CE marking

Standard Technical Design Data – Mechanical Parts

	Item	Description
A.	**RB-SA Rail Brake**	• Spring set / hydraulically released rail brakes • Available Shoe-to-Rail Clearance: **from 2mm to 40mm** • Available braking capacity: Static SRB-SA @ 150kN & 220Kn: Dynamic DRB-SA 120kN & 180kN. • Pressure: Operating at 15MPa • Release time: **2** seconds • Set time: Adjustable by flow control valve (Factory setting **8** seconds at delivery)
B.	**CORROSION PROTECTION**	• Non-structural pins & fasteners are stainless steel • All mechanical parts are zinc plated, powder coated or painted • Standard frame painting is good for five years warranty **Frame painting specification:** •Sand blasting, Zinc rich primer 50-75 µm •2'nd coat, Epoxy min.100-125 µm •3'rd coat, Urethane min. 50-75 µm •Total coat, (min. 200-275 µm) •Standard finish color: Pure Orange (RAL 2004)
C.	**PROXIMITY SWITCH**	• IFM inductive proximity switch
D.	**STATIC BRAKE SHOE**	• Heat treated & serrated tool steel brake shoes • As new sharp serrations provides the effect of friction factor 0.8 – 0.95 under static load. Rated capacity calculated with coeff of friction of µ=0.5. • Replaceable in field without requiring disassembly of any mechanical parts
E.	**DYNAMIC BRAKE SHOE**	• Bonded friction material. Rated capacity calculated with coeff of friction of µ=0.4. • Replaceable in field without requiring disassembly of any mechanical parts

1331 Kebet Way, Port Coquitlam, BC V3C 6G1 Canada
Phone + (604) 941-3180 Fax + (604) 941-3185 Toll Free 1-800-661-1722
info@brelx.com www.brelx.com www.theportalcranegroup.com