


Document No.: D40078 Reference: 160602 Revision:	STORM BRAKES DYNAMIC WHEEL BRAKES TECHNICAL DATA SHEET	 BRELX Storm Braking Solutions A Division of the Portal Crane Group
--------------------------------------------------------	-----------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Leading Features –Dynamic Wheel Brake

	Item	Description
A.	SAFETY	<ul style="list-style-type: none"> Brakes manufactured from good quality structural steel Brake release monitored by a proximity switch
B.	MAINTENANCE ABILITY	<ul style="list-style-type: none"> Maintenance friendly system, only one person required to disassemble the brake Easy accessible cylinder for regular visual inspection Shoe replaceable in field without brake removal from the crane. Mechanical tie-rod nuts & hydraulic hand pump for emergency release
C.	QUALITY & PERFORMANCE	<ul style="list-style-type: none"> All products are quality inspected as per BRELX standard quality policy. All BRELX products are hydraulic proof-tested before shipment. All BRELX products with CSA, UL approved components

Standard Technical Design Data – Mechanical Parts

	Item	Description
A.	DWB Wheel Brake	<ul style="list-style-type: none"> Spring set / hydraulic released Wheel Brakes Available sizes: DWB-36 (40kN); DWB-56 (64kN); DWB-80 (90kN); DWB-180 (160kN); Nominal retracted clearance : 1.0 mm per side Operating release Pressure: 13 MPa (Relief Pressure 18 MPa) Brake releasing time: 5 seconds nominal Brake Set time: Adjustable by flow control valve (Factory setting: 3-5 seconds)
B.	CORROSION PROTECTION	<ul style="list-style-type: none"> Non-structural pins & fasteners are stainless steel. All mechanical parts are zinc plated, powder coated or painted. DU PTFE coated bushings on all pivot points. Standard painting system for 5 years warranty on paint. <p>Frame painting specification:</p> <ul style="list-style-type: none"> 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.	BRAKE PAD	<ul style="list-style-type: none"> Dynamic Non asbestos friction lining, easily replaceable in the field
D.	SPRING CYLINDER	<ul style="list-style-type: none"> Sealed for total corrosive protection. All internal surfaces treated with anticorrosive undercoating. Easy accessible location for regular visual inspection. Easy removal for maintenance, without need to detach any mechanical parts.
E.	PROXIMITY SWITCH	<ul style="list-style-type: none"> IFM inductive proximity switches for brake release signal.