

FEATURES AND BENEFITS: WB

WB Wheel Brake

Wheel Brakes are used on container cranes, shiploaders and other rail mounted equipment where limited installation space is available. They are spring set and hydraulic or electric released devices. Wheel brakes are used to supplement the motor gantry brakes. Oversized brake shoes with friction material apply on the side flanges of an idler wheel providing friction forces and braking capacity. They minimize the amount of stress and strain otherwise placed on sill beams and truck assemblies of a crane. Designed as parking brakes, they can be also used as dynamic brakes in an emergency.

KEY FEATURES:

- Maintenance friendly system, only one person required to disassemble the brake
- Self-lubricating bushings and stainless steel pins on all pivot points
- IFM Proximity switch for release indication signal
- Brake shoes easily removed and replaced
- Made with high quality structural steel
- Nominal retracted clearance 1mm per side. Recommended maximum clearance 2mm per side
- Equipped with shoe alignment device
- Supplied with release nut for mechanical brake release and mechanism caging
- Easily accessible cylinder for regular visual inspection
- Single spring chamber for balanced braking.
- Shoe wear adjustment means
- Fine tuned flow control valve for adjusting the setting time. stepless adjustable 3-30 seconds (HWB model)

HWB Hydraulic Wheel Brake: Spring set – Hydraulic release
Brelx external Hydraulic Power Unit HPU

EWB Electric Wheel Brake: Spring set – Electric release

Electric Linear Actuator: Attached to Wheel 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.