

FEATURES AND BENEFITS

Dynamic Wheel Brake series DWB

Wheel Brakes are used on container cranes, shiploaders and other rail mounted equipment where limited installation space is available. They are spring set and hydraulically released. Wheel Brakes are used as a supplement to the motor gantry brakes and are mounted on the idler wheels of a container crane. Oversized brake shoes with bonded friction material apply on the side flanges of an idler wheel providing a friction forces and thus braking capacity. Designed as parking brakes, they can be also used as dynamic brakes in an emergency situation. By applying a friction force on the wheel flange, they minimize the amount of strain and stress otherwise placed on sill beams and truck assemblies of the crane. A minimum braking torque is applied to hold the crane against the wind burst in conjunction with the existing gantry motor brakes. Wheel Brakes must be carefully sized in order to prevent the skidding of the crane caused by too much torque applied on the side of the wheel.

Some of the features of the DWB Wheel Brakes are as follows:

- Dynamic Wheels Brakes are equipped with self centering device
- Supplied with Release Nut for mechanical brake release
- Brakes manufactured from good quality structural steel
- All mechanical parts are zinc electro plated
- Brake release monitored by IFM proximity switch.
- 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.