

# RAIL BRAKE APPLICATION DATA SHEET

(One Sheet per Machine Model - Specify Metric or Imperial Units)



Customer: \_\_\_\_\_ Date: \_\_\_\_\_ Ref. No. \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State/Prov./County: \_\_\_\_\_ Zip: \_\_\_\_\_

Attention: \_\_\_\_\_ Tel: ( ) \_\_\_\_\_ Fax: ( ) \_\_\_\_\_

Quote by: \_\_\_\_\_ Order will be placed by: \_\_\_\_\_ Req'd Delivery: \_\_\_\_\_

**Machine:** Container Crane      Bridge Crane      Stacker/Reclaimer      Ship unloader  
Gantry Crane      Stacker      Ore Bridge      Conveyor Tripper  
Portal Crane      Reclaimer      Shiploader      Trolley/Shuttle

Other: \_\_\_\_\_

No. Identical Machines Involved \_\_\_\_\_ Retrofit \_\_\_\_\_ Replacement \_\_\_\_\_ New Installation \_\_\_\_\_

Original Manufacturer \_\_\_\_\_ Model No. \_\_\_\_\_ No. Wheels \_\_\_\_\_

**Wind:** Location: \_\_\_\_\_ Wind Exposure (A-D) \_\_\_\_\_

Holding force req'd, lb or N \_\_\_\_\_ Wind speed, mph or m/sec \_\_\_\_\_

Existing Travel Brakes, lb or N \_\_\_\_\_ Exclude from \_\_\_\_\_ Include in Holding Force \_\_\_\_\_

Sail Area perpendicular to rails, ft<sup>2</sup>/m<sup>2</sup> \_\_\_\_\_ Pressure Centre Height \_\_\_\_\_ Shape Fctr \_\_\_\_\_

**Rail:** ASCE      ARA-A      ARA-B      NYC      PS      PRR  
Crane Rail      DIN      BSC      RODANGE      RUSSION      JAPANESE

Designation/No. \_\_\_\_\_ Head Width \_\_\_\_\_ Wt, lb/yd or kg/m \_\_\_\_\_

Curve Radius \_\_\_\_\_ ft/m      Grade \_\_\_\_\_ %      Gaps/Switches/Frogs      Welded      Bolted Splices

**Rail Brakes:** Direct Acting      Spring Compensated      Req'd Lateral Float +/- \_\_\_\_\_ in./mm      No. Locations \_\_\_\_\_

Mounting: Truck/Bogie      Sill Beam      Equalizer Beam      Other \_\_\_\_\_

Vertical Loads at Mounting Points, lb/N \_\_\_\_\_ Ave. \_\_\_\_\_ Max. \_\_\_\_\_ Min. \_\_\_\_\_

Clearances, in./mm: Top of Rail to Underside of Sill/Equalizer \_\_\_\_\_ Between Wheels \_\_\_\_\_

**Actuation:** Spring-set, hydraulic release      Electromechanical      Manual      Other \_\_\_\_\_

**Power Units:** Hydraulic Units      Handpump for Manual Release      Open Ass'y      Enclosed      Qty. \_\_\_\_\_

Release Time (JIL Std 6 sec. max) \_\_\_\_\_ Set Time Delay \_\_\_\_\_ Pressure      Electrical

**Electrical:** NEMA 4      Explosion-Proof      Other \_\_\_\_\_      Components Prewired

**Optional:** Match-drilled mounting flange      Match-drilled mounting brackets      Mounting Hardware

Quick-release Hyd. Power Units      Extra User Manuals \_\_\_\_\_      Field Supervision

Limit switches required to indicate release/wear/other \_\_\_\_\_ Qty \_\_\_\_\_ Type \_\_\_\_\_

Non-std. Caliper mat'ls/coatings: \_\_\_\_\_

Codes/Standards: \_\_\_\_\_ F.S. \_\_\_\_\_

Ambient temperature, C°/F° \_\_\_\_\_ Max. \_\_\_\_\_ Min. \_\_\_\_\_ Humidity, % \_\_\_\_\_

Atmosphere/Environment: \_\_\_\_\_

Available power: Main \_\_\_\_\_ Volt \_\_\_\_\_ Ph \_\_\_\_\_ Hz; Control \_\_\_\_\_ Volt \_\_\_\_\_ Ph \_\_\_\_\_ Hz

Air - \_\_\_\_\_ psi \_\_\_\_\_ cfm \_\_\_\_\_ kPa \_\_\_\_\_ lpm

Hyd - \_\_\_\_\_ psi \_\_\_\_\_ usgm \_\_\_\_\_ kPa \_\_\_\_\_ lpm

Remarks and Special Considerations: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_