



Oil Rig Brake Data Sheet

Drawworks, Mobile Service Rigs / Work-over Rigs

(Specify Metric or Imperial Units)

Customer: _____ Date: _____ Ref. No. _____

Address: _____

City: _____ State/Prov./County: _____ Zip: _____

Attention: _____ Tel: () _____ Fax: () _____

Type of Rig: _____ Qty: _____

Prime Mover, Type _____ HP _____ kW _____ RPM _____

Joint Length (ft.) _____ Joint Weight / Size Lb/ft _____ Max Drilling Depth (ft.) _____ Block Weight (lb.) _____

No. Reeving Parts _____ String Lowering Time _____ Block Raise Time _____ Idle Time (drum @ 0 RPM) _____

Brake Type: Main _____ Assist _____ % Energy to be absorbed by Johnson Brake _____

Speed reduction @ braked shaft/drum _____ Drum Driven Inhaul RPM _____

Drum PD _____ Mid-Drum Dia. _____ Max. Drum Dia. _____ Max. Drum RPM _____

Cable Size _____ Max. Line Pull _____ Max Line Speed _____

Max. Load @ Hook _____ Max. Speed @ Hook _____ Max. Stopping Distance @ Hook _____

_____ Total Rotating WK², lb-ft²/kg-m² _____

_____ @ Drum _____ @ Brake Brake Torque req'd, lb-ft/Nm _____

_____ Stopping _____ Holding _____

_____ Tensioning Brake Energy/application, HP/kW: _____ for _____

_____ sec. OR _____ Continuous Max. No. Brake _____

Applications _____ /5 min. _____ /hr _____ /day _____ /year _____



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Brake Response Times _____ sec to set _____ sec to stop load _____ sec

tensioning Complete operating cycle of brake _____

Number of discs required/allowed/shaft or drum _____ Number of calipers/disc _____

Location of disc: On Drum _____ Drum Spigot _____ Coupling Flange _____ Other _____

Disc O.D. _____ Min I.D. _____ Thickness _____ Mat'l _____

Disc Mounting: Plain _____ c/w holes _____ spigot _____ split _____

Disc Type: Ventilated _____ Solid _____ Water Cooled _____ Description _____

Disc bolts to be supplied _____ Diameter _____ Length _____ Grade _____ Qty _____

Calipers to be: Air _____ Hyd _____ applied/spring released **OR** spring-applied Air _____ Hyd _____ released

Or Dual Acting (Service and Parking in one _____ Automatic Lining Wear Adjustment Option _____
Caliper) _____

Limit switches required to indicate release/wear/other _____ Qty _____ Type _____

Non-std. Caliper mat'ls/coatings: _____

Codes/Standards: _____ F.S. _____

Ambient temperature, C^o/F^o _____ Max. _____ Min. _____ Humidity, % _____

Atmosphere/Environment: _____

Caliper Mounting Foot//Side/Other: _____

Available power: Main _____ Volt _____ Ph _____ Hz; Control _____ Volt _____ Ph _____ Hz

Air - _____ psi _____ cfm _____ kPa _____ lpm

Hyd - _____ psi _____ usgm _____ kPa _____ lpm

Brake power & Control package required: _____



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Remarks and Special Considerations: _____

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