



98D Series Multiple Disc Brake

Data Sheet 9801

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Features:

- For use with System Pressure Up to 3,000 PSI
- Most Compact SAE "D" Package Available
- Hardened & Ground Steel Shafts
- Wet or Dry Operation
- Meets 1990 ANSI A92.2 Burst Pressure Specification Requirements

Holding Torque

The required holding torque for any of the Eskridge Multiple Disc Brakes should be based on the application, the hydraulic circuitry involved and whether or not the brake is mounted to a speed reducer (geardrive). The brake should have sufficient holding torque to prevent the motor from driving through and/or with sufficient torque for grade holding requirements.

When the brake is used in conjunction with a speed reducer (geardrive) such as a swing drive on cranes, etc. where the backdriving loads will intentionally cause the brakes to slip, extreme care must be taken in the design of the hydraulic circuitry to prevent overloading the geardrive from an accumulation of torque from the brake and associated hydraulics.

Release Pressure

Release pressure is the hydraulic oil pressure that is applied to the brake piston port required to release the spring applied brake. The brake release pressure is stated as two related pressures. The first is "Initial Pressure." It is the pressure required to remove all piston force from the friction pack with no running clearance between the friction plates and the separator plates. The second is the "Full Release Pressure" which allows running clearance between the friction plates and separator plates for prolonged operation. It is **imperative** that the brakes be fully released when operated.

Always use a release pressure at least 20-30 PSI higher than the stated release pressure. Always bleed the piston cavity of all air prior to placing the unit into operation. Eskridge Brakes are designed as "Full System Pressure" Brakes. The piston is evenly loaded, with no bending under high pressure operation and when applied, directly contacts the friction pack. All Eskridge Brakes meet the 1990 ANSI A92.2 Burst Pressure Specification Requirement. See the Model Specification sheets for release pressures and maximum pressures.



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For more information regarding Planetary Geardrives and other innovative products, feel free to contact us at:

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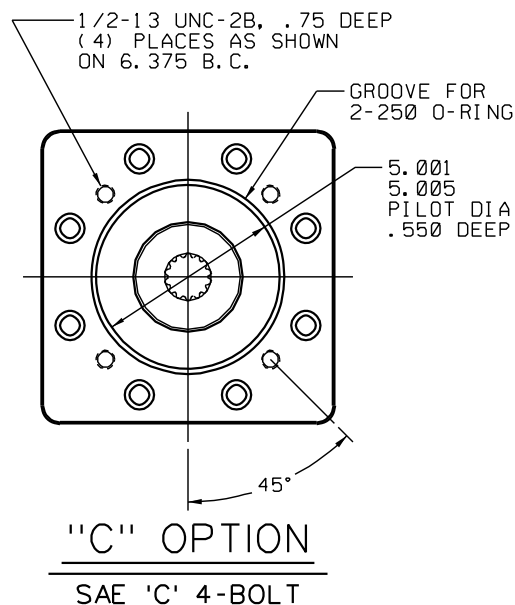
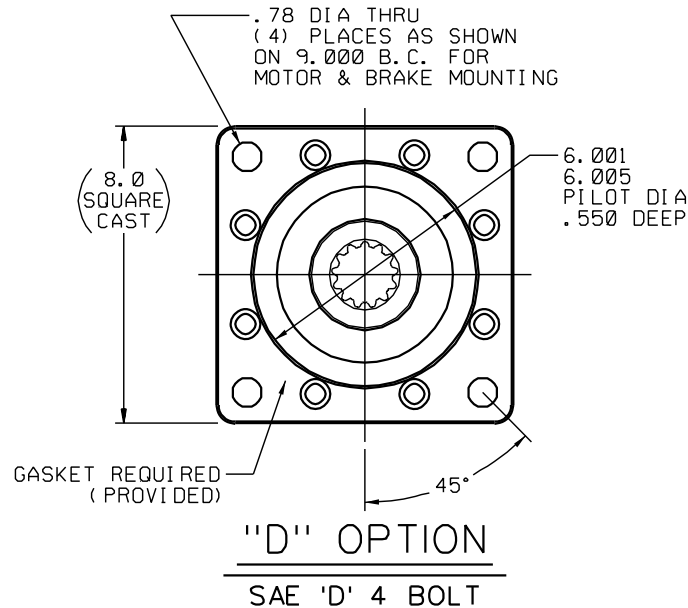
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Input Mounting Options



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98D Series

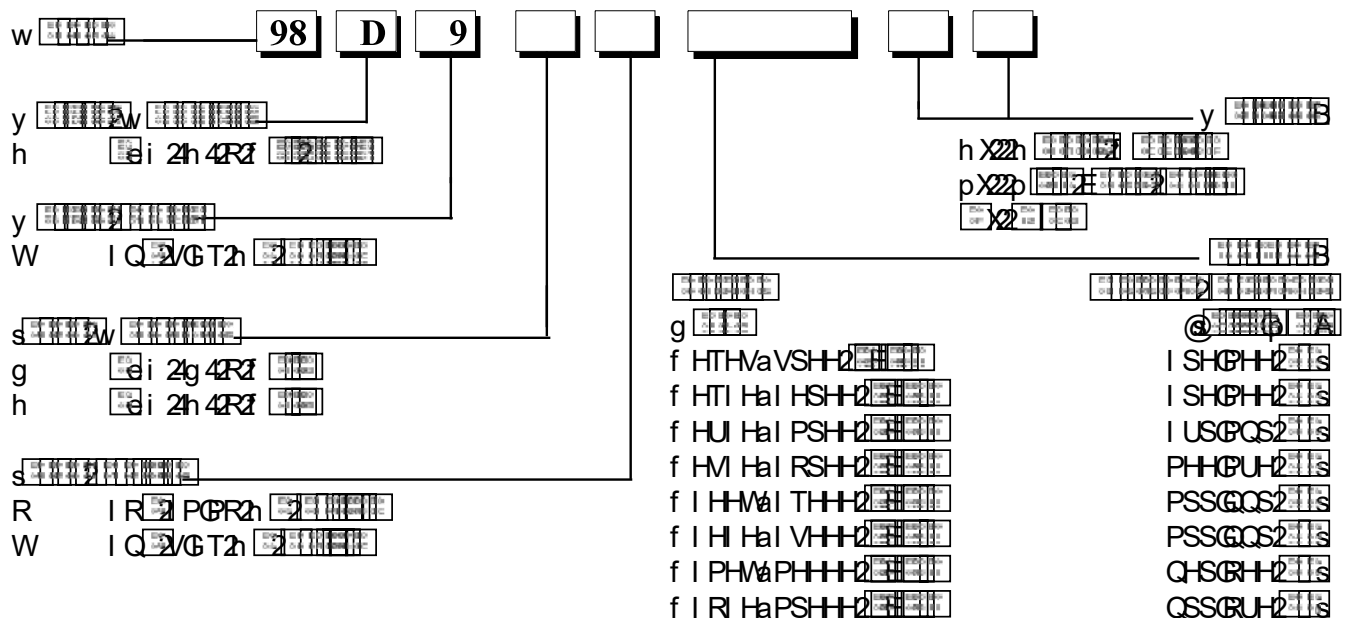
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Options and Ordering Information

Part Number Information

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