

November, 2002

SPC BRAKE (837601)

Below is a mode combining the Normal Service Mode and Normal Spring-Engaged Mode.

The Normal Service Mode uses a standard air brake control circuit. On-off air control is accomplished by the three-way valve. Torque is controlled by the regulation of air pressure.

The Normal Spring-Engaged mode is for occasional duty, non-cyclic applications only. A hold-off air pressure of 75-100 psi [5.17-6.90 bar] is used to compress the spring inside the actuator canister. A control signal is used to release hold-off air pressure, thus applying full spring-engaged torque to the disc.



WARNING

Applying the Normal Service Mode and Normal Spring-Engaged Mode simultaneously is outside the normal operating range of the BD Caliper Brake. The loads produced in the Friction Facings, Bearings, and machine shaft are up to twice that of normal design loads.

