PRODUCTS FOR THE AUTOMOTIVE INDUSTRY

APPLICATION GUIDE

Courtesy of Steven Engineering, Inc. - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com
**Nexen Solutions for Your Automotive Industry Challenges**

Over the years industry has come to recognize Nexen’s Air Champ® line of pneumatic clutches and brakes for durability and reliability at economical prices. Our spring and air-engaged products provide more torque and last longer than comparable electrically-engaged units, we guarantee it. In addition to a wide range of motion control products, Nexen also offers custom engineering services for applications with special needs.

**Caliper Disc Brake**

*Function:* The spring-engaged brake holds the load and controls deceleration as well as providing dependable e-stops in power-off situations.

**C-Faced Brakes**

*Function:* Used in place of a disc brake when driven by an AC motor; see function above.

**Bulk Handling Elevator**

A standby drive eliminates downtime in the event of a motor failure by having two drive systems for each machine.

**Tooth Clutches**

*Function:* With repetitive dependability, the clutch connects and disconnects to allow the machine to pause for loading or unloading while the motor continues to run.

**AC Motor Brake**

*Function:* Flange mounted and spring set, this brake provides quick stopping in emergency situations.

**Servomotor Brake**

*Function:* Provides precise deceleration and enables reliable e-stops in power-off situations.

**Spring-Engaged Brakes**

Designed for use in e-stop, controlled deceleration, and holding applications, Nexen’s spring-engaged brakes have a high dynamic torque capacity that ensures a fast load response time. When dealing with expensive equipment and heavy products, reliability is key. These rugged brakes protect both the plant machinery and the operator by providing positive holding of the load throughout each process.

**Spring-Engaged Brakes**

*Function:* With fast engagement, Nexen’s tooth clutches serve as the holding mechanism while the arm picks up, moves, or rotates parts to complete an operation.

**Articulating Balancing Arm**

Nexen’s tooth clutches provide fast nonslip engagement for applications where high torque is needed. Inexpensive to operate, maintain and repair, these clutches provide all the torque you need in a small package.

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Air vs. Electric

Seven reasons why Nexen’s air-engaged clutches and brakes are better than electric clutches and brakes.

1. 30% Faster Response Time
2. 40% More Dynamic Torque
3. 30% More Thermal Horsepower
4. Up to Six Times Longer Friction Facing Life
5. Up to 60% Less Energy Consumption
6. Up to 10% Savings on Unit Cost
7. Up to 80% Savings in Repair Costs

www.nexengroup.com

Nexen has worldwide offices in Europe, Asia, Australia, and Mexico. For the Nexen office nearest you, please consult the website listed above.