

New from Nexen:
Zero-backlash spring engaged brake family
for power transmission and precision automation applications

Wemmel, Belgium, March 2018. Nexen Group, Inc. announces the release of the ZSE brake family, zero-backlash spring engaged brakes. Ideal for holding applications, the pneumatically-released ZSE brake offers high torque, high speed and zero backlash. Unlike brakes using leaf springs to transmit torque, the ZSE brake is zero-backlash up to 100 percent of its rated holding torque.

Nexen has released four different sizes (450, 600, 800, 1000) for a wide variety of applications. The bore sizes are available in three standard sizes, and can be easily customized for customer needs.

In addition, Nexen offers an option to configure the ZSE brake with a smart feature. The ZSES brakes are available with internal sensors, making them ideal for Industry 4.0 compatibility. These sensors detect the disengagement status and internal unit temperature and provide feedback and data to maximize machine safety and efficiency.

Applications for Nexen's ZSE brake family include conveyor systems, robotic arms, trunnion tables, positioning indexers and standard through shaft setups in a wide variety of industries.

Apart from industrial brakes, Nexen produces roller pinion systems, clutches, torque limiters, overload protection devices and control systems. The company holds 120 US and international patents. Headquartered in the USA and with the European office based in Wemmel in Belgium, Nexen products are available from over 40 sales offices and more than 1,500 distributor outlets worldwide.

Summary of features:

- Speeds up to 5000 rpm
- Zero-backlash up to 100 percent of rated holding torque
- Holding torque up to 300 Nm
- Zero-backlash integral clamp collar
- Low inertia
- Customizable to wide range of shaft diameters
- Cool operation
- Compact housing
- Optional smart feature for Industry 4.0 compatibility

Detailed product information:

<https://www.nexengroup.com/nxn/products/prod-nav/lp/ZSE+Spring+Engaged+Brake>

Picture:

The zero-backlash spring engaged brake family (ZSE) from Nexen



About Nexen Group, Inc.:

Nexen Group, Inc. is a worldwide leader in power transmission, linear and rotary motion, and tension control components. Nexen holds 120 US and international patents. A privately held company, Nexen traces its origins back to 1902. For nearly 50 years, Nexen has been producing industrial brakes, clutches, torque limiters, overload protection devices and control systems for a variety of industrial applications ranging from packing equipment to sawmills and automobile conveyor systems. Nexen's customers span every industry – from multi-national corporations to small businesses – and range from design engineers to plant maintenance. Headquartered in the USA and with the European office based in Wemmel, Belgium, Nexen has more 40 sales offices and more than 1,500 distributor outlets worldwide.

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