The permanent magnet electromechanical power-off brake has a true zero backlash hub with a very fast response time. The PMB can provide dynamic braking as well as static holding, has a high torque density-to-size ratio and is also RoHS compliant. The PMB can also include a long or short hub with a large through bore.

**Specifications**
- 28 to 161 mm diameter; 29 to 91 mm length
- Bore sizes from 6 to 40 mm
- Static torque from 0.4 to 140 Nm
- 24 VDC coil voltage
- Dry operation
- Modified designs and customized assemblies available

The ultra-thin spring-engaged, electromagnetic power-off brake offers a low backlash hub and is the thinnest profile power-off brake available in the market. The short package size allows the brake to be easily mounted to the front or rear of a motor. Equipped with PWM controller to reduce heat and save energy for continuous duty applications. The UTSEB is also RoHS compliant.

**Specifications**
- 26 to 71 mm diameter; 12 to 19 mm length
- Bore sizes from 5 to 20 mm
- Static torque from 0.06 to 3.2 Nm
- 24 VDC coil voltage for 0.5 sec max; 7 VDC holding voltage with PWM controller
- Dry operation
- Modified designs and customized assemblies available
Metric Series Brakes

TSEB

The thin spring-engaged power-off brake is electromagnetically released and has a relatively thin profile compared to normal spring-engaged brakes. This feature -- along with being RoHS compliant -- makes them a perfect candidate for a variety of applications while providing a good torque-to-size ratio.

Specifications
- 35 to 187 mm diameter; 20.8 to 70.8 mm length
- Bore sizes from 4 to 32 mm
- Static torque from .01 to 200 Nm
- 1800 to 5500 RPM max speed
- Dry operation
- Modified designs and customized assemblies available

MSEB

The motor spring-engaged power-off brake is designed to easily mount to a motor or frame. The brake includes a manual release lever which provides an override in the absence of power and a dust cover to help keep the friction surface free of debris. A torque adjustment collar also allows the torque to be manually adjusted based on the application.

Specifications
- 83 to 302 mm diameter; 41 to 119 mm length
- Bore sizes from 11 to 45 mm
- Static torque from 4 to 480 Nm
- Optional indicator micro switch available
- 24 VDC coil voltage
- Dry operation
- Modified designs and customized assemblies available

SSB

The single surface electromagnetic power-on brake has a zero backlash hub, can provide dynamic braking as well as static holding and can operate at higher speed (RPM). The friction surfaces will provide long life and the brake has a high torque-to-size ratio. The SSB series is also RoHS compliant.

Specifications
- 31 to 250 mm diameter; 26 to 102 mm length
- Bore sizes from 6 to 40 mm
- Static torque from 5 to 350 Nm
- 24 VDC coil voltage
- Dry operation
- Modified designs and customized assemblies available

SEPAC Inc., in Elmira, NY is a custom engineering company and manufacturer of motion control products including electromagnetic clutches and brakes. We provide innovative solutions of the highest quality and reliability to OEMs, distributors and end users around the world. Our brake and clutch applications range from aerospace and defense to robotics, energy, healthcare, and a wide variety of industrial markets.

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