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ALTRA INDUSTRIAL MOTION

Electric Clutches & Brakes



 **Inertia Dynamics**[®]
Altra Industrial Motion

INERTIA DYNAMICS

THE INERTIA DYNAMICS ADVANTAGE

Our business growth over the past 38 years has been achieved by a customer-dedicated employee team. Our success and our future are based on our commitment to being a world-class manufacturer of clutches and brakes. We pride ourselves on TOTAL CUSTOMER SERVICE with a high-quality product delivered on-time for you.

We manufacture a full line of products to solve your motion control needs – power-on and spring applied friction clutches and brakes, motor brakes, controls and moment of inertia measuring equipment.

Inertia Dynamics excels at creating a custom clutch or brake solution for your OEM application. Each of our standard products in this catalog can be adapted to meet a wide variety of applications. Put us to the test – we enjoy assisting customers with challenging projects. Our engineers welcome the opportunity to provide cost-effective solutions in situations where unique, one-of-a-kind designs are needed.

Inertia Dynamics is located 20 minutes from both Hartford, Connecticut and Bradley International Airport. Our engineering, manufacturing and support staff are located in our new facility in New Hartford, Connecticut. We welcome you to tour our facility and meet our people.

At Inertia Dynamics, we provide solutions!



Electromagnetic Power-On Friction Clutches & Brakes

- Ordering Information
- Power-On Clutches & Brakes Description
- Selecting a Power-On Clutch or Brake
- Shaft Mounted Clutches – Type SL
- Shaft Mounted Clutches – Type BSL
- Shaft Mounted Clutch Couplings – Type SO
- Flange Mounted Clutches – Type FL
- Flange Mounted Clutch Couplings – Type FO
- Flange Mounted Brakes – Type FB
- Shaft Mounted Clutches/Power-On Brakes – Type SLB and SOB

Electromagnetic Spring Applied Brakes

- Spring Applied Brake Description
- Selecting a Spring Applied Brake
- Flange Mounted Spring Applied Brakes – Type FSB
- Reverse Mounted Spring Applied Brakes – Type FSBR
- Manual Release, Spring Applied Brakes – Type FSBR
- Spring Applied Brakes – Type SAB
- Double C-Face Power-Off Brakes – MPC
- Spring Set Brake 300 Series – Type 303, 304, 305, 308
- Technical Data and Formulas

A.C. Motor Brakes

- General Information and Selection
- C-Face, Rear Mounted Brakes
- C-Face Coupler Brakes

Controls

- Power Supply Overview
- Controls, Power Supply – 6 Models

Moment of Inertia

- Moment of Inertia Measuring Equipment
- Method of Operation
- Instrument Specifications

General Information

- Conversion Charts
- Glossary

Limited Warranty

Products are guaranteed against defects in materials and workmanship for a period of 12 months from the date of shipment. In the event any product fails to conform with said guarantee, or in the event that any product shipped under this contract fails to conform to the specifications thereof, if there be any such specifications, liability with respect thereto shall be limited to repairing or replacing any product or part thereof F.O.B. our factory; or, at our option, we will refund the purchase price thereof, if paid.

There is no implied representation or warranty as to any product. No guarantee, warranty, promise, or representation with respect to any product, other than those stated herein, shall be binding upon us unless made in writing and signed by one of our executive officers. In the event there be such written representation, warranty, guarantee, promise, or agreement and the product fails to conform thereto, we shall not be liable for any special or consequential damages, but our liability shall be limited to repairing such product or replacing it with

one that does conform thereto or, at our option, refunding the purchase price of same, if paid. Any guarantee, warranty, representation or agreement that would otherwise be binding on us shall not be effective with respect to any product that has been tampered with or is defective or unworkable due to abuse or improper installation or application.

Inertia Dynamics reserves the right to make changes to information contained in this product guide without notice.

Underwriters Laboratories Standards

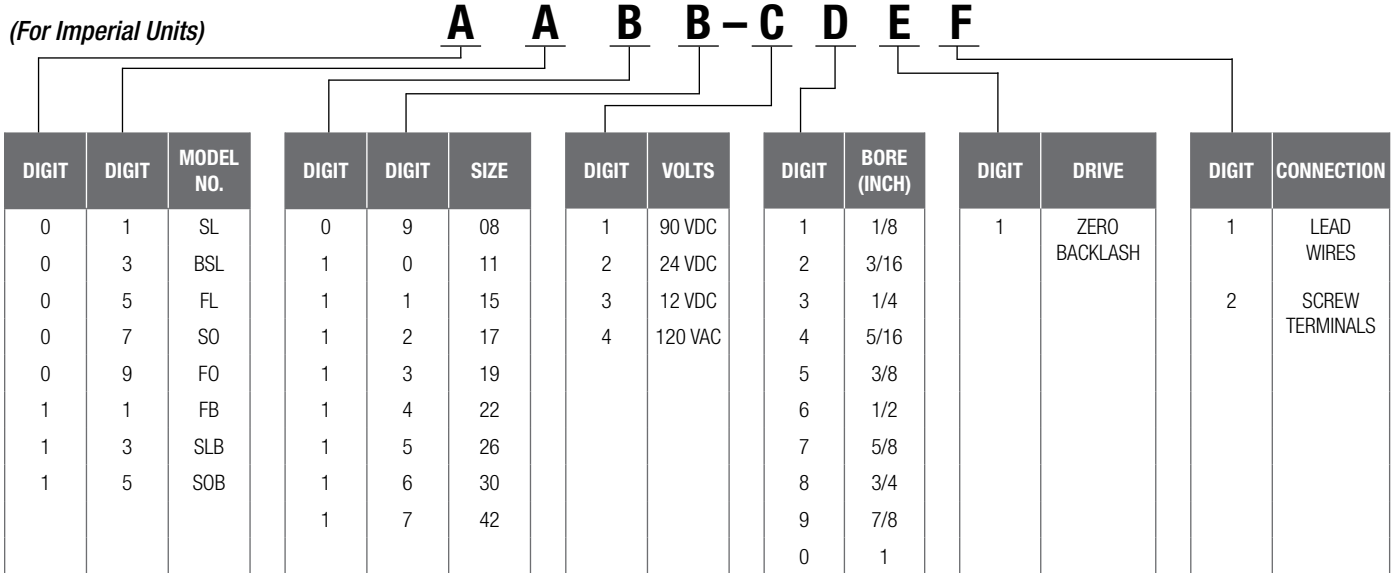


All Inertia Dynamics standard clutches, brakes, and spring applied brakes are recognized by Underwriters Laboratories to both U.S. and Canadian safety requirements. Products built to meet their construction requirements are labeled with the UL symbol as shown above.

The products indicated meet UL Class B requirements.

Electromagnetic Power-On Friction Clutches & Brakes

PART NUMBERING SYSTEM FOR PRODUCTS ON PAGES 5 TO 28 OF THIS CATALOG



How To Order

- A.** Select the model number from the product guide.
- B.** Select the size of the clutch or brake.
- C.** Select the voltage.
- D.** Select the bore diameter.
- E.** For all power-on clutches and brakes, select 1.
- F.** For all clutches and brakes, refer to the product guide and specify 1 or 2.

Example (Imperial)

SL11 clutch, 24 volts, 1/4 bore
 Part No. 0110-2311

Example (Metric)

FB11 brake, 24 volt D.C., 6mm bore
 Part No. M1110-2211

