

INERTIA DYNAMICS

THE INERTIA DYNAMICS ADVANTAGE

Our business growth since our founding in 1971 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!

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Ordering Information

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

(For Imperial Units)

			A			A		B		B – C		D		E		F	
DIGIT	DIGIT	MODEL NO.	DIGIT	DIGIT	SIZE	DIGIT	VOLTS	DIGIT	BORE (INCH)	DIGIT	DRIVE	DIGIT	CONNECTION				
0	1	SL	0	9	08	1	90 VDC	1	1/8	1	ZERO BACKLASH	1	LEAD WIRES				
0	3	BSL	1	0	11	2	24 VDC	2	3/16			2	SCREW TERMINALS				
0	5	FL	1	1	15	3	12 VDC	3	1/4								
0	7	SO	1	2	17	4	120 VAC	4	5/16								
0	9	FO	1	3	19			5	3/8								
1	1	FB	1	4	22			6	1/2								
1	3	SLB	1	5	26			7	5/8								
1	5	SOB	1	6	30			8	3/4								
			1	7	42			9	7/8								
								0	1								

How To Order

- Select the model number from the product guide.
- Select the size of the clutch or brake.
- Select the voltage.
- Select the bore diameter.
- For all power-on clutches and brakes, select 1.
- 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

(For Metric Units)

M			A			B		B - C		D	E	F	
DIGIT	DIGIT	MODEL NO.	DIGIT	DIGIT	SIZE	DIGIT	VOLTS	DIGIT	BORE (MM)	DIGIT	DRIVE	DIGIT	CONNECTION
0	1	SL	0	9	08	1	90 VDC	1	5	1	ZERO BACKLASH	1	LEAD WIRES
0	5	FL	1	0	11	2	24 VDC	2	6			2	SCREW TERMINALS
0	7	SO	1	1	15	3	12 VDC	3	8				
0	9	FO	1	2	17	4	120 VAC	4	10				
1	1	FB	1	3	19			5					
			1	4	22			6	15				
			1	5	26			7	17				
			1	6	30			8	20				
			1	7	42			9	25				