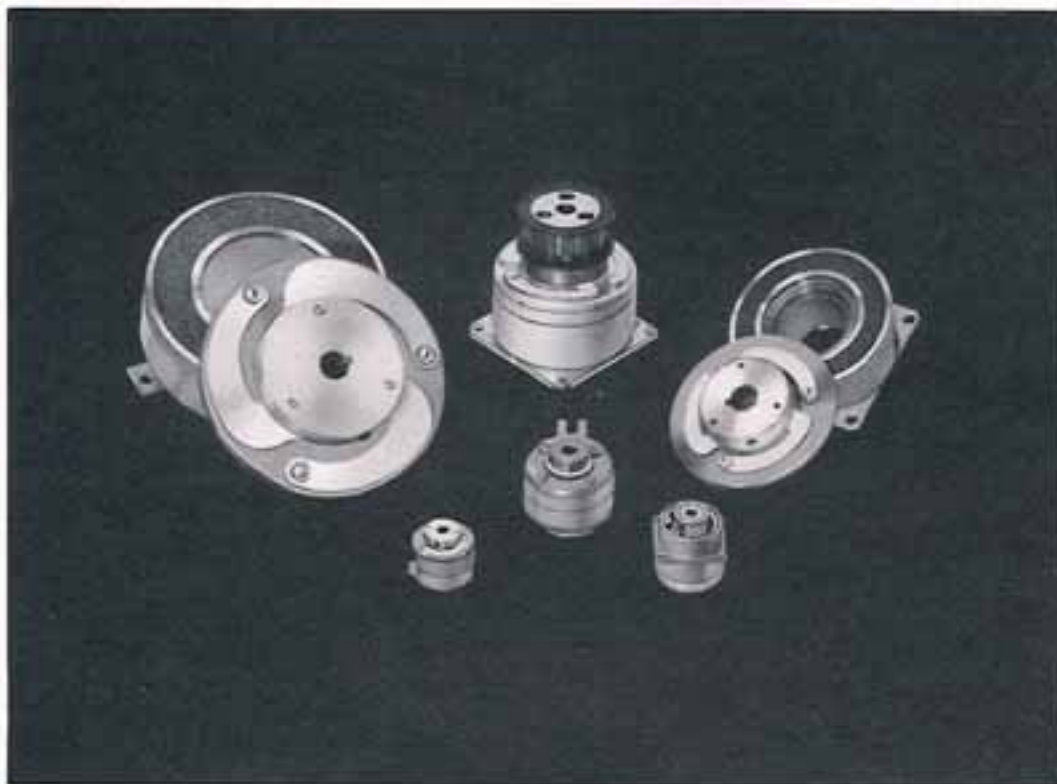


CLUTCH/COUPLINGS



FOR ORDERING
INFORMATION
SEE PAGE A-7

ELECTROID'S ELECTROMAGNETIC CLUTCH/COUPLINGS

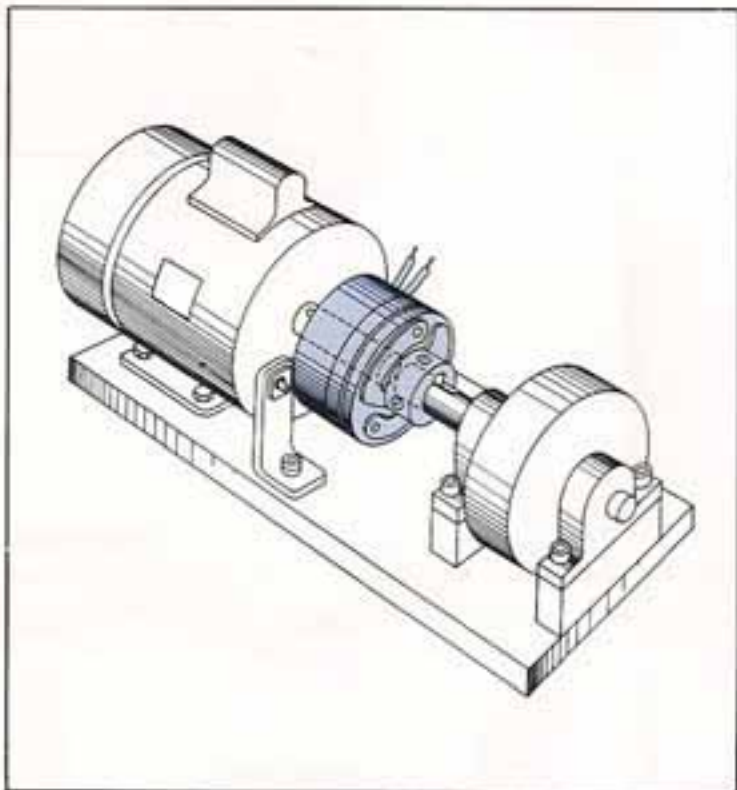
The units shown on the following pages of this section represent a family of Electroid's electromagnetic clutch/couplings, especially designed for split shaft applications. This family consists of four series: EC, ECA, BEC, SBEC.

While they differ in their performance characteristics, all of them offer these common key design features:

- Wide torque range - From 1 in.-lbs to 1800 in.-lbs.
- Zero backlash armature with spring release.
- Stationary field coil -- no slip rings or brushes.
- Coil -- Epoxy resin encapsulated, vibration-proof.
- Piloting on pilot diameter of flange.
- Fast response time.

In addition to the off-the-shelf models, Electroid offers an in-depth engineering capability to design or modify clutch/couplings to meet special requirements. Over the years, our company has designed, developed and produced, in quantity, a wide variety of "specials" that later proved themselves in a spectrum of applications ranging from commercial to military and aerospace.

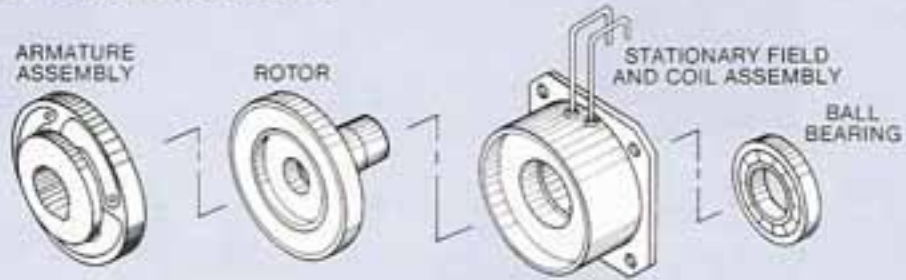
CLUTCH/COUPLING: Transmits rotary motion to an IN-LINE shaft only when coil is energized. . . split shaft applications.



CLUTCH/COUPLINGS

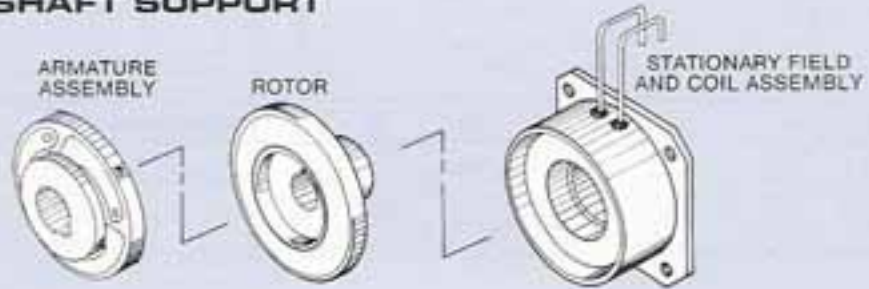
EC SERIES — FLANGE MOUNTED WITH BALL BEARINGS FOR SHAFT SUPPORT

This design provides flange mounted ball bearings. When coil is energized, armature engages rotor, driving the load.



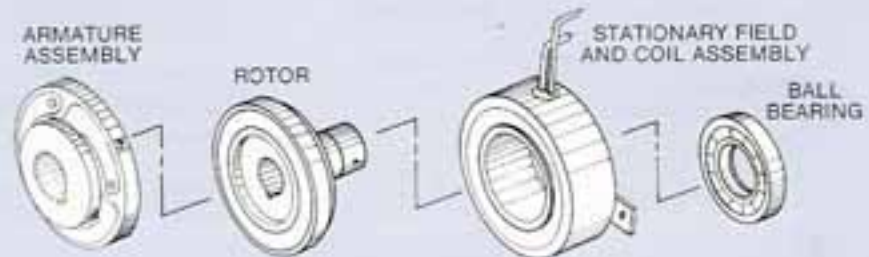
ECA SERIES — FLANGE MOUNTED WITHOUT BEARINGS FOR SHAFT SUPPORT

The flanged field coil housing is mounted to customer's stationary bulkhead or equivalent. Energizing the coil engages the armature assembly to the rotor, which in turn drives the load.



BEC SERIES — BALL BEARING MOUNTED ROTOR

This design allows rotor assembly to rotate with drive shaft, which is supported with ball bearings to the stationary field coil housing.



SBEC SERIES — SLEEVE BEARING MOUNTED ROTOR ASSEMBLY

This design is supported by the stationary field coil housing through sleeve bearings as one complete unit. Energizing coil engages both rotor and armature, driving load.

