

## Section 7 Special Oil Shear Brakes

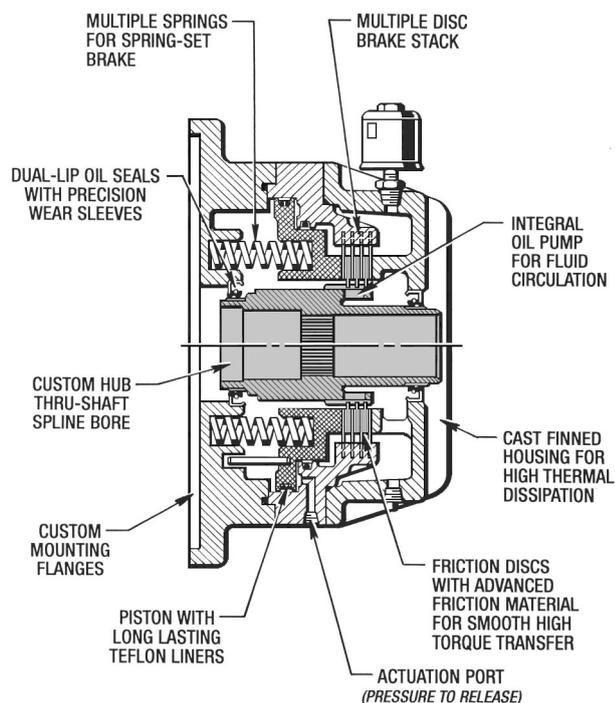
Force Control Industries, Inc. has developed over 150 special Posistop brakes for various applications. Often these are minor changes to a standard unit, but can be a completely new design. Check to see if one of our Posistop brakes might work in your application.

### Posistop Flange Mounted Brakes

Many **Flange Mounted Posistop Brake** designs have been developed to fit specific applications. Mountings include a large variety of flange sizes and configurations. Hubs may be furnished to fit shafts with splines, steps, bearings and metric or unusual sizes. Thru-shaft units are also available, along with double flange or coupler brakes. A large range of torque capacities are available from 3 Ft. Lbs. to 2030 Ft. Lbs. (Contact Force Control for a complete range of Torque Capacities.)

Successful applications include hoists, tap heads, ball screw feed units, transfer drives, torque limiting for planetary drives along with many other uses. One of hundreds already designed may fit your application, or a custom unit can be developed to fit your special requirements. Our **Sales Engineering Department** is ready to work with you to provide a **Posistop Brake** to fit your specific application. Encoders or Tachometers are also available.

Below is an example of a **Posistop Flange Mounted Brake** shown with its specific applications listed.



Cross section of a **MB-180 Flange Mounted Posistop Brake** with a thru shaft and spline bore developed for a mechanical ball screw feed unit with a planetary gear drive

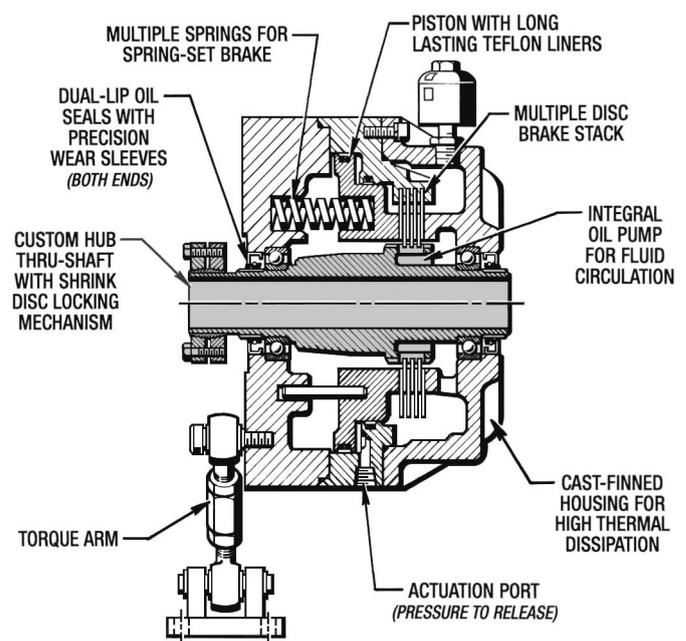
### Posistop Shaft Mounted Brakes

**Shaft Mounted Posistop Brake** designs have been developed to fit many special shaft mounted applications. Hubs can be furnished to fit splined shafts, straight shafts or tapered mill motor shafts. A keyless collet, shrink-disc or other locking mechanism can be used.

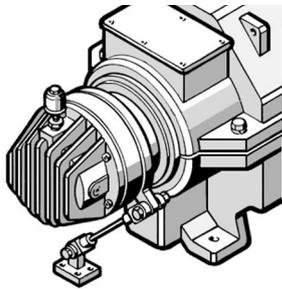
A large range of torque capacities are available from 20 Ft. Lbs. to 2030 Ft. Lbs. (Contact Force Control for a complete range of Torque Capacities.)

Successful applications include hoists, elevators and mill motor brakes along with many other shaft mounted applications. One already designed may fit your application, or a custom unit can be developed to fit your special requirements. Our **Sales Engineering Department** is ready to work with you to provide a **Posistop Brake** to fit your specific application. An Encoder or Tachometer can also be mounted on the brake.

Below is an example of a **Posistop Shaft Mounted Brake** shown with its specific applications listed.



A cross section of a **MB-210 Posistop Torque Arm, Thru-Shaft Mounted Brake**. It has a bearing mounted hub with a shrink-disc mechanism locking it to the equipment shaft. This brake was developed for a block elevator in the concrete industry.



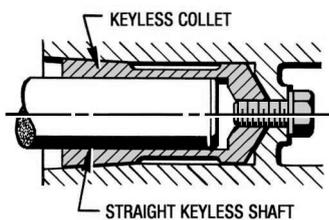
## Posistop Mill Motor Brakes

The **Posistop Mill Motor Brake** was designed to mount on standard mill motors with the tapered shaft and lock nut. It is used to replace the drum and shoe type brakes commonly used in steel and other metal industries. Mounting is simple, as the brake mounts directly on the motor shaft and only a torque arm is required to prevent rotation. No special mounting bases, couplings or other fabrication is required.

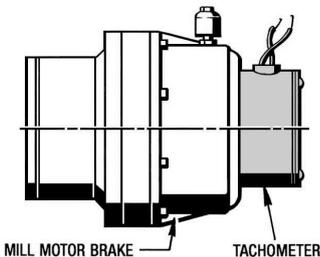
The spring-set, air release **Posistop Brake** is totally enclosed and not affected by scale, moisture or lubricants. Continual adjustments and burned-out electric coils are also eliminated.

### Other Available Options

Straight Motor Shaft without Keyway.  
(Keyless Collet / Shrink Disc)

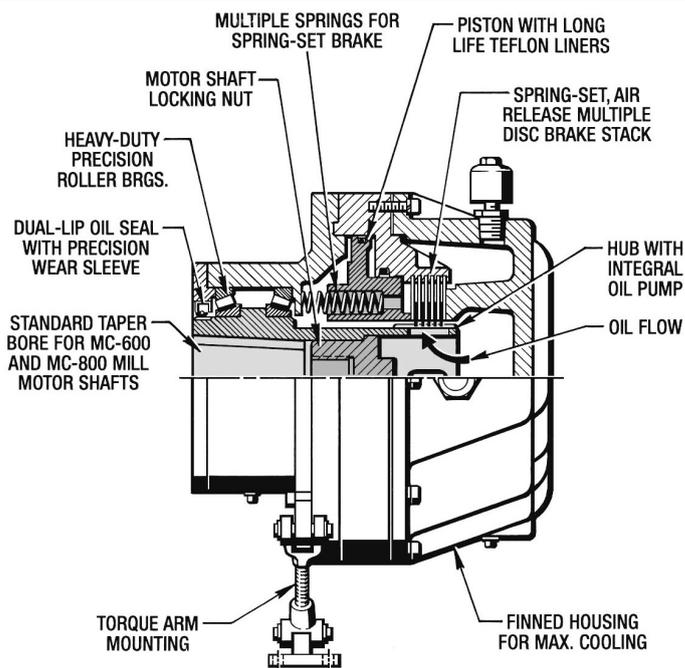


Tachometer Mounting



Tachometers or Encoders can be mounted to the end housing of the **Posistop Brake**.

### Posistop Mill Motor Brake Features

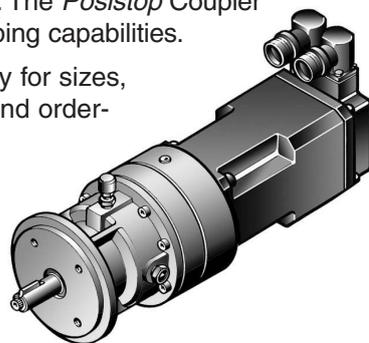


MB-320 MOTOR BRAKE SHOWN FOR MC-806 FRAME MILL MOTOR

### Servo Motor Brakes

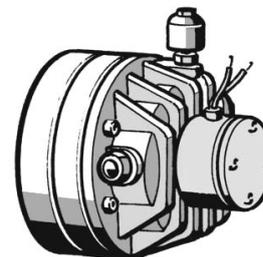
Most **Posistop Coupler Brakes** can be attached to a standard **PosiDrive Servo Motor** that has no internal brake or to replace an internal brake that doesn't function well for long term service. The **Posistop Coupler Brake** also has dynamic stopping capabilities.

Consult Force Control Factory for sizes, dimensions, torque ratings and ordering information.



### Motor Brakes with Encoders

Most **Posistop Brakes** are available to accept an **Encoder** or **Tachometer**. Consult factory for sizes and types available.



Encoder/Tachometer