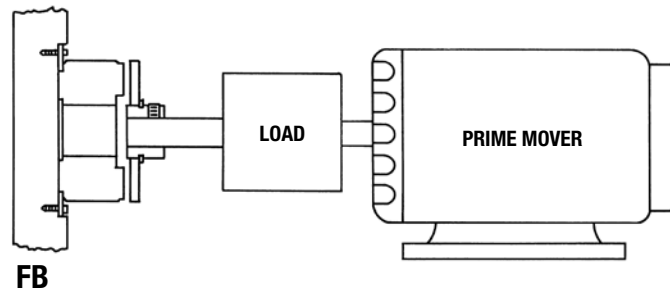


STEP 1

These graphics provide a visual guide to unit mounting in a typical application.

FB

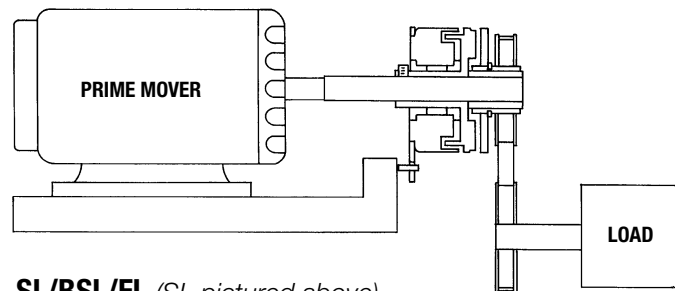
The brake will be mounted on a driven shaft with the magnet secured to the machine frame. When engaged, the brake will bring the rotating load to a stop and hold until power is removed.



FB

SL/BSL/FL

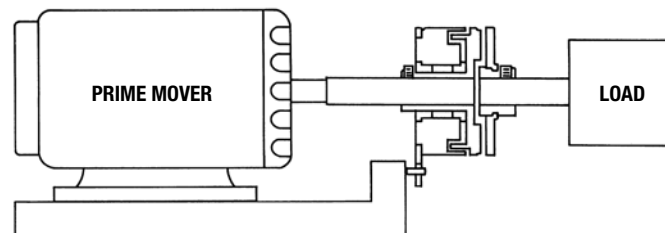
The SL, BSL and FL clutches are designed for parallel shaft mounting and will connect to the load via a chain or belt drive. The clutch can be mounted to either a driving or driven shaft.



SL/BSL/FL (SL pictured above)

SO/FO

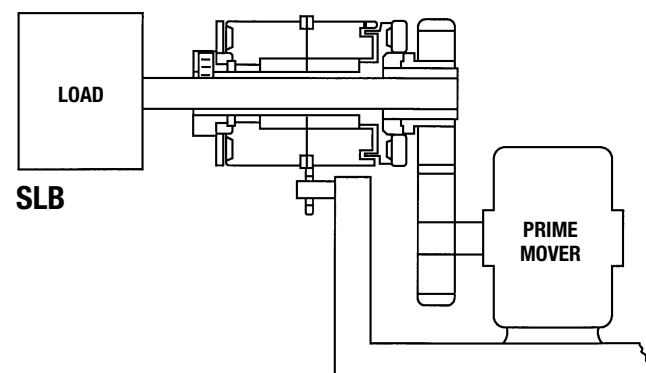
The SO/FO clutches are designed for use with two in-line shafts. Half of the clutch will mount to the driving shaft and the other half to the driven shaft. When engaged the unit will couple the two shafts together.



SO/FO (SO pictured above)

SLB

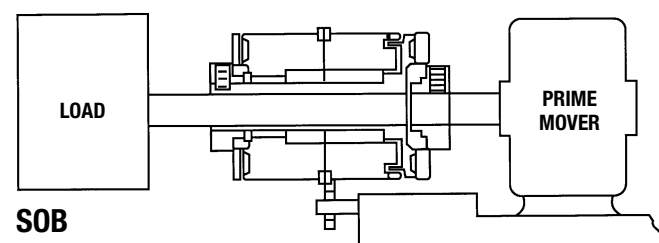
This clutch/brake combination will be mounted on a driven shaft with the brake located closest to the load. SLB units are designed for parallel shaft mounting and will have input from a chain or belt drive. When the clutch is engaged, it will drive the load, when the brake is engaged, the load will be stopped and held, and the clutch input will rotate.



SLB

SOB

This clutch/brake combination will be used with two in-line shafts with the brake on the driven shaft. When clutch is engaged, the clutch will couple the two shafts together. With brake engaged, the driven shaft and load will be stopped and held while the input half of the clutch will rotate freely on the driving shaft.



SOB

Selection Process

STEP 2

Determine the shaft speed at the clutch or brake location. Whenever possible locate the clutch or brake at the highest speed shaft available to perform the desired task. A higher speed will provide a lower torque requirement and therefore a smaller clutch or brake.

STEP 3

Use the chart below to find the intersection of the speed and torque for your application. This will provide the unit size.

STEP 4

Using the appropriate catalog page, confirm unit dimensions and mounting. Provide unit bore size(s) and coil voltage.

For additional calculation formulae and dynamic torque curves, please refer to following pages.

Shaft Speed at Clutch (Fraction HP)

