Shaft Mounted Clutches

Warner Electric’s packaged stationary field clutches are factory assembled and burnished to deliver the maximum rated torque immediately. In addition, a packaged product assures that all engineering factors regarding the proper alignment of components to one another have been established at the factory. This allows the unit to be ‘slid on the shaft’ after being shipped to you. The proper alignment of components is critical to achieving maximum torque and assuring long life.

Features

- No assembly required
- Burnished for ‘out-of-the box’ torque
- Anti-backlash armatures standard
- Ball bearing mounted field and armature hub
- Two sizes available
  - 250 – 70 in.lbf. static torque
  - 400 – 270 in.lbf. static torque
- Standard bore sizes and voltages

No brushes to wear out

Besides saving valuable assembly and run-in time, the SFP clutches incorporate an original Warner Electric concept. The concept of the stationary field eliminates the need for brushes. Brushes can be a high maintenance item in an electromagnetic clutch because of the mechanical friction seen at the collector ring. There is no mechanical friction with the stationary field design. In sum, all of the best possible features wrapped up into one compact package - Warner Electric’s SFP.

SFP-250
Three standard bore sizes:
- 3/8”, 7/16”, 1/2” *
Three standard voltages:
- 6, 24 and 90 Volts DC
*Consult factory for 5/8” availability

SFP-400
Five standard bore sizes:
- 1/2”, 5/8”, 3/4”, 7/8”, 1”
Three standard voltages:
- 6, 24 and 90 Volts DC

Applications

- Controlled, soft starts
- Speed variation
- Reversing
- Overload disconnect
- High cycling

Functions

- Packaging equipment
- Film readers
- Medical equipment
- Conveyors
- Sorting/feeding equipment
- Textile machinery
Packaged Performance Products

Specifications

**Model** | **Static Torque** | **Max.RPM**
--- | --- | ---
SFP-250 | 70 in.lb. | 7500
SFP-400 | 270 in.lb. | 5000

**How to Order**

1. Select the proper size from the chart (right).
2. Select the bore size and voltage.
3. Find the corresponding part number from the table below.
4. Select a Warner Electric Control if appropriate.

**Tolerances**

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<th>Part Number</th>
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Warner Electric 800-234-3369