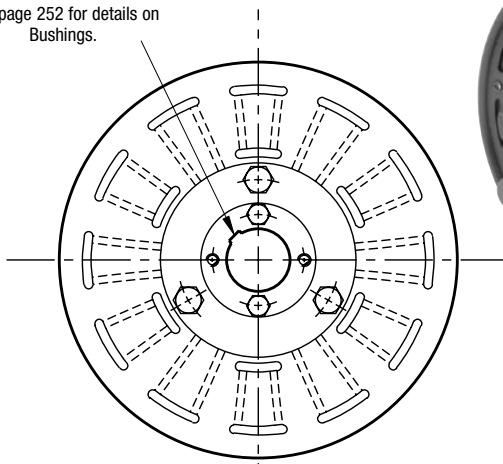


# SFC Series Clutch Coupling

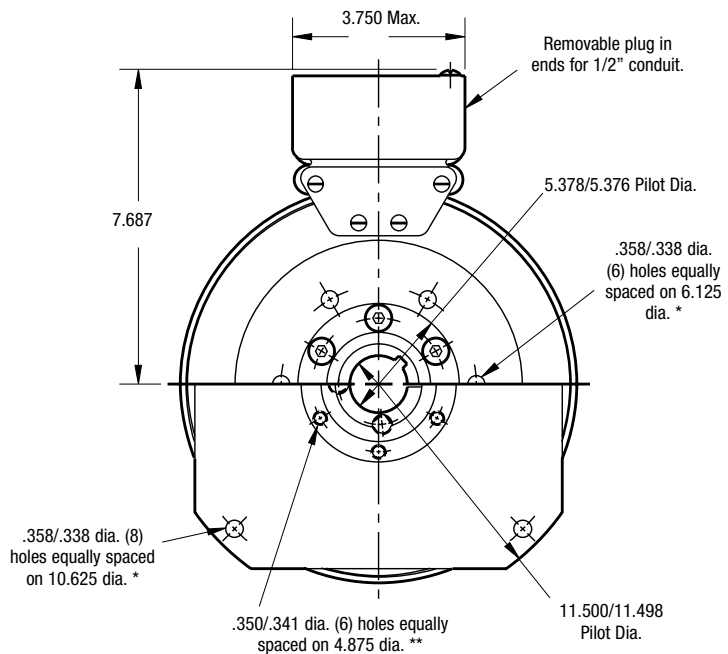
## SFC-1000 Flange Mounted



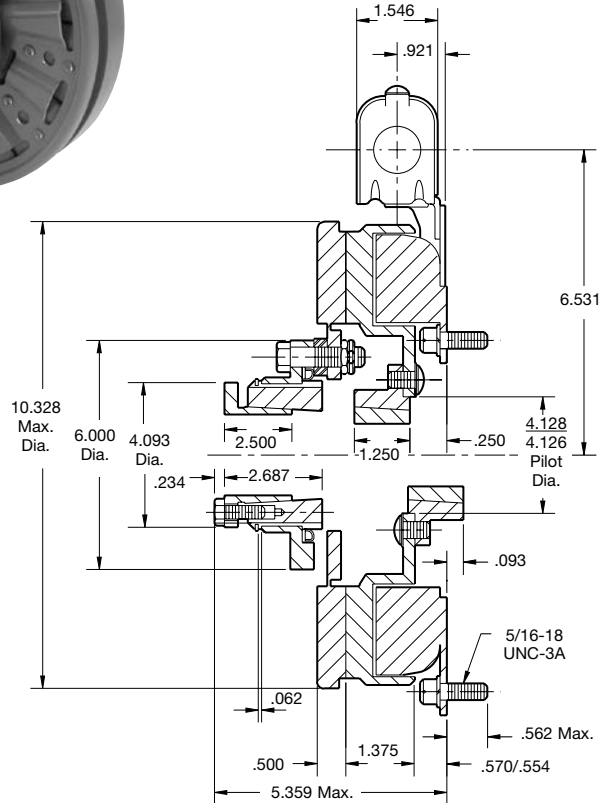
See page 252 for details on Bushings.



**ARMATURE VIEW**



**FIELD VIEW  
(Inside & Outside Mounted)**



\* Mounting holes are within .010 of true position relative to pilot diameter.

\*\* Mounting holes are within .008 of true position relative to pilot diameter.

|                  |                |
|------------------|----------------|
| Armature Shaft   | .750 – 2.687   |
| Rotor Shaft      | .500 – 2.000   |
| Static Torque    | 240 lb.ft.     |
| Maximum Speed    | 3,600 rpm      |
| Standard Voltage | D.C. 6, 24, 90 |

All dimensions are nominal unless otherwise noted.

Information on inertia and weights begins on page 239. Coil data is on pages 250 and 251.

**Note:** The two mating shafts on which the clutch is mounted must be mounted rigidly to prevent flexing during engagement. Any flexing will cause vibration and rapid clutchwear. The drive motor should not be mounted on the reducer "scoop" mount or other flexible mounts.

### Customer Shall Maintain:

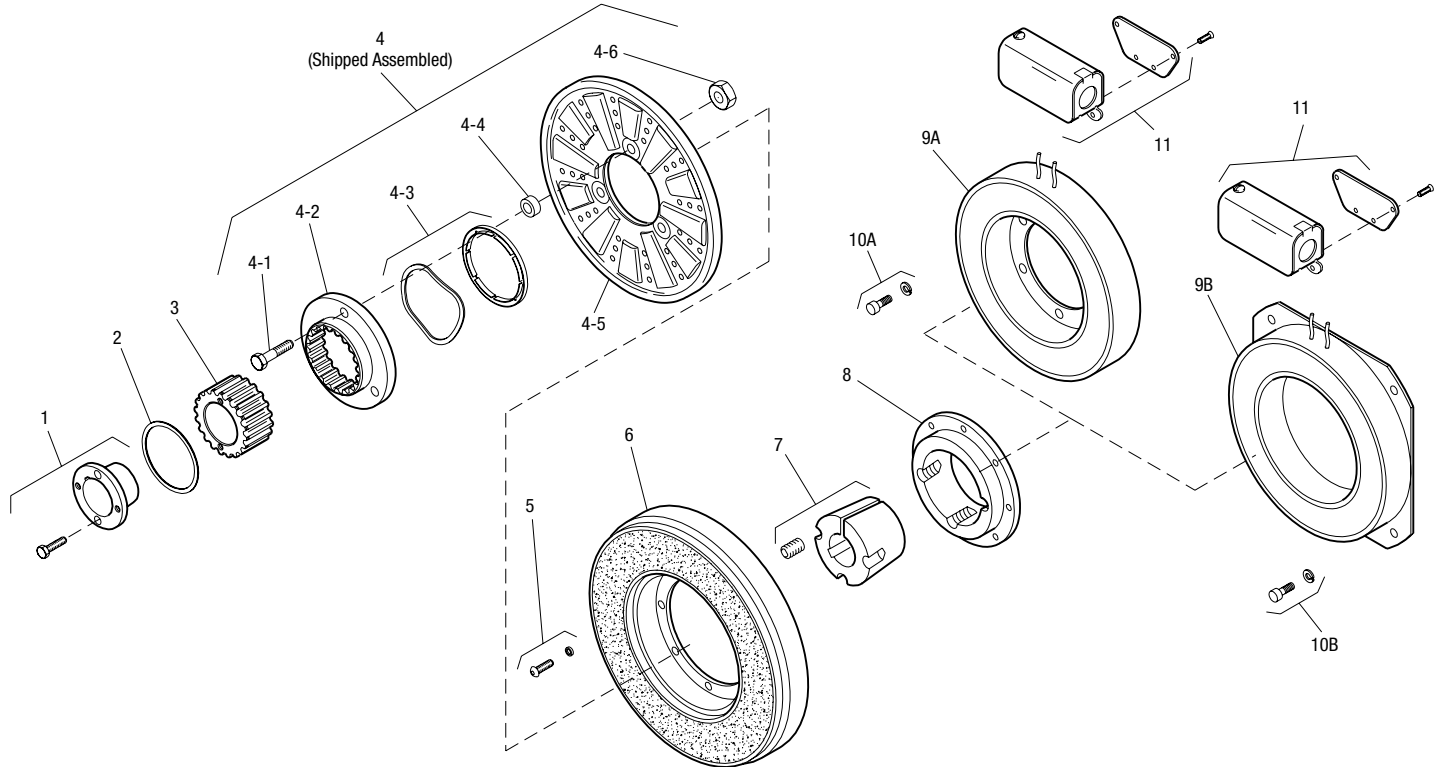
1. Concentricity of field mounting pilot diameter with rotor mounting shaft within .006 T.I.R.
2. Squareness of field mounting face with rotor shaft within .006 T.I.R. measured at field mounting bolt circle.
3. Rotor mounting shaft concentric with armature mounting shaft within .006 T.I.R.
4. Angular alignment of shafts within 1/2 degree.



# SFC Series Clutch Coupling

## SFC-1000 Flange Mounted

Drawing I-25584



| Item | Description                | Part Number          | Qty. |
|------|----------------------------|----------------------|------|
| 1    | Bushing*                   |                      | 1    |
|      | 3/4" to 2-11/16" Bore      | 180-0026 to 180-0057 |      |
| 2    | Retainer Ring              | 748-0007             | 1    |
| 3    | Splined Hub                | 540-0062             | 1    |
| 4    | Armature & Splined Adapter | 5202-111-001         | 1    |
| 4-1  | Capscrew                   | 797-0341             | 3    |
| 4-2  | Splined Adapter            | 104-0009             | 1    |
| 4-3  | Autogap Accessory          | 5322-101-004         | 1    |
| 4-4  | Spacer                     | 748-0333             | 3    |
| 4-5  | Armature                   | 5322-111-036         | 1    |
| 4-6  | Locknut                    | 661-0004             | 3    |
| 5    | Mounting Accessory         | 5201-101-007         | 1    |
| 6    | Rotor                      |                      | 1    |
|      | Standard Friction Material | 5202-751-003         |      |
|      | †Optional LK Facing        | 5202-751-007         |      |
| 7    | Bushing*                   |                      | 1    |
|      | 1/2" to 2" Bore            | 180-0155 to 180-0179 |      |
| 8    | Rotor Hub                  | 540-0315             | 1    |
| 9A   | Field - Inside Mounted     |                      | 1    |
|      | 6 Volt                     | 5202-451-004         |      |
|      | 24 Volt                    | 5202-451-006         |      |
|      | 90 Volt                    | 5202-451-007         |      |

| Item | Description               | Part Number  | Qty. |
|------|---------------------------|--------------|------|
| 9B   | Field - Outside Mounted   |              | 1    |
|      | 6 Volt                    | 5202-451-011 |      |
|      | 24 Volt                   | 5202-451-013 |      |
|      | 90 Volt                   | 5202-451-014 |      |
| 10A  | Mounting Accessory - I.M. | 5321-101-001 | 1    |
| 10B  | Mounting Accessory - O.M. | 5321-101-002 | 2    |
| 11   | Conduit Box               | 5200-101-012 | 1    |

### How to Order:

1. Specify Bore Size for Item 1.
2. Specify Bore Size for Item 7.
3. Specify Voltage for Item 9A or 9B.
4. Specify Inside Mounted for Items 9A and 10A or Outside Mounted for Items 9B and 10B.
5. See Controls Section.

### Example:

SFC-1000 Clutch Coupling per I-25584 - 90 Volt, Inside Mounted, 1-1/4" Bore (Item 1), 1-1/2" Bore (Item 7)

These units, when used in conjunction with the correct Warner Electric conduit box, meet standards of UL508 and are listed under guide card #NMTR, file #59164. These units are CSA certified under file #LR11543.

\*See page 252 for specific part numbers.

Refer to Service Manual P-0207-WE

†Optional LK facing available. For more information, see page 232.