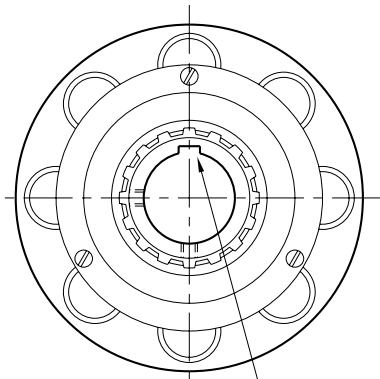


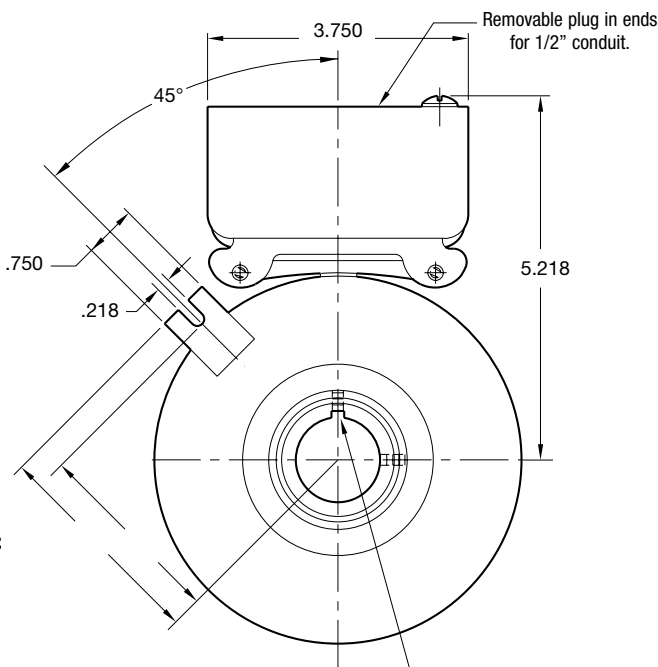
# SFC Series Clutch Coupling

## SFC-500 Bearing Mounted Heavy Duty



For Bore & Keyway sizes see chart below.

**ARMATURE VIEW**

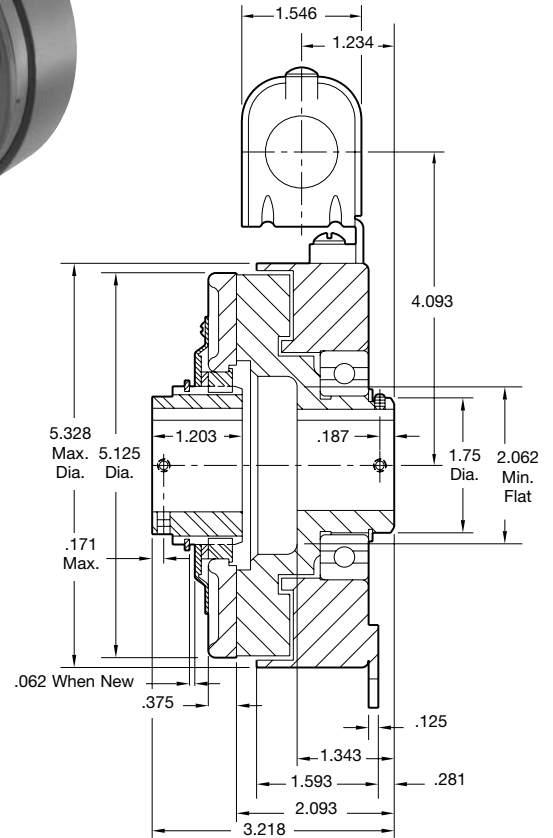


For Bore & Keyway sizes see chart below.

**FIELD VIEW**

**Customer Shall Maintain:**

1. Angular alignment of shafts within 1/2 degree.
2. Armature mounting shaft to be concentric with rotor mounting shaft within .006 T.I.R.



**Bore & Keyway Dimensions**

Bore Dia.	Keyway
.751/.750 .876/.875	.187 x .093
.9385/.9375 1.001/1.000 1.126/1.125 1.251/1.250	.250 x .125

Armature Shaft	.750 – 1.250
Rotor Shaft	.750 – 1.250
Static Torque	50 lb.ft.
Maximum Speed	4,000 rpm
Standard Voltage	D.C. 6, 24, 90

All dimensions are nominal unless otherwise noted.

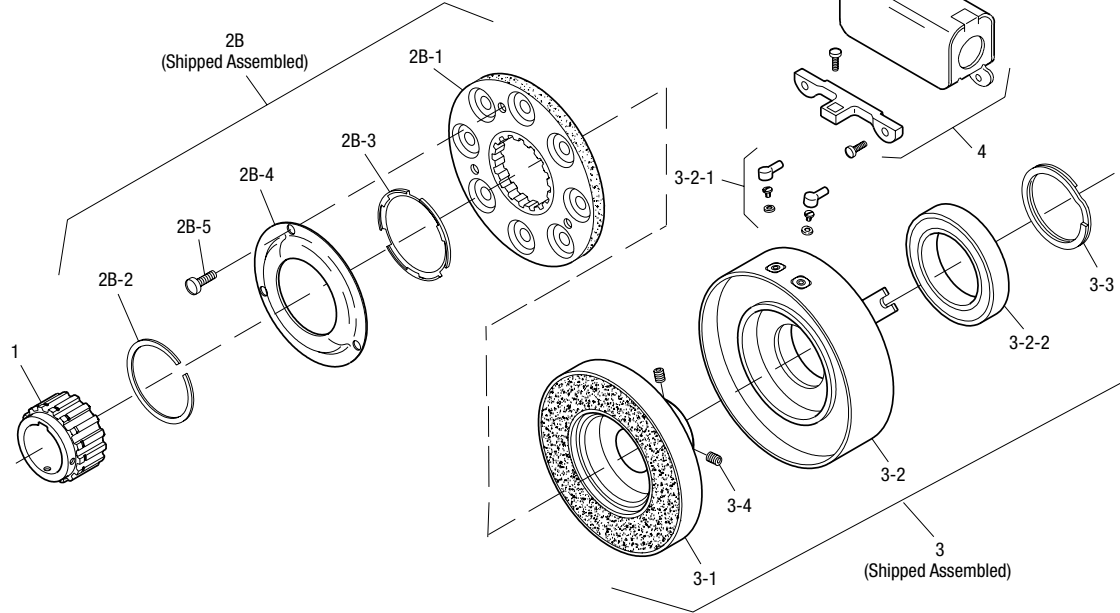
Information on inertia and weights begins on page 239. Coil data is on pages 250 and 251.



# SFC Series Clutch Coupling

Drawing I-25541

## SFC-500 Bearing Mounted Heavy Duty



Item	Description	Part Number	Qty.
1	Armature Hub Assembly		1
	5/8" Bore	5200-541-015	
	3/4" Bore	5200-541-002	
	7/8" Bore	5200-541-003	
	15/16" Bore	5200-541-004	
	1" Bore	5200-541-005	
	1-1/8" Bore	5200-541-006	
	1-1/4" Bore	5200-541-007	
2B	Armature Assembly w/Autogap	5230-111-002	1
2B-1	Armature	5230-111-001	1
2B-2	Retainer Ring	748-0355	1
2B-3	Autogap Spring	808-0412	1
2B-4	Retainer Plate	748-0364	1
2B-5	Screw	797-0028	3
3	Field and Rotor Assembly		1
	90 Volt – 5/8" Bore	5200-452-115	
	6 Volt – 3/4" Bore	5200-452-002	
	24 Volt – 3/4" Bore	5200-452-004	
	90 Volt – 3/4" Bore	5200-452-005	
	6 Volt – 7/8" Bore	5200-452-008	
	24 Volt – 7/8" Bore	5200-452-010	
	90 Volt – 7/8" Bore	5200-452-011	
	24 Volt – 15/16" Bore	5200-452-016	
	90 Volt – 15/16" Bore	5200-452-017	
	6 Volt – 1" Bore	5200-452-020	
	24 Volt – 1" Bore	5200-452-022	
	90 Volt – 1" Bore	5200-452-023	
	6 Volt – 1-1/8" Bore	5200-452-026	
	24 Volt – 1-1/8" Bore	5200-452-028	
	90 Volt – 1-1/8" Bore	5200-452-029	
	6 Volt – 1-1/4" Bore	5200-452-032	
	24 Volt – 1-1/4" Bore	5200-452-034	
	90 Volt – 1-1/4" Bore	5200-452-035	

Item	Description	Part Number	Qty.
3-1	Rotor		1
	5/8" Bore	5200-541-048	
	3/4" Bore	5200-751-002	
	7/8" Bore	5200-751-003	
	15/16" Bore	5200-751-004	
	1" Bore	5200-751-005	
	1-1/8" Bore	5200-751-006	
	1-1/4" Bore	5200-751-007	
3-2	Field & Bearing Assembly		1
	6 Volt	5200-451-024	
	24 Volt	5200-451-026	
	90 Volt	5200-451-027	
3-2-1	Terminal Accessory	5311-101-001	1
3-2-2	Ball Bearing	166-0110	1
3-3	Retainer Ring	748-0002	1
3-4	Setscrew	797-0069	2
4	Conduit Box	5200-101-010	1

**How to Order:**

1. Specify Bore Size for Item 1 and Item 3.
2. Specify Voltage for Item 3.
3. See Controls Section.

**Example:**

SFC-500 Clutch Coupling per I-25541- 90 Volt, 3/4" Armature Hub Bore, 7/8" Rotor Bore

These units, when used in conjunction with the correct Warner Electric conduit box, meet standards set forth in UL508 and are listed under guide card #NMTR2, file #59164.

These units are CSA certified under file #LR11543

Refer to Service Manual P-0202-WE