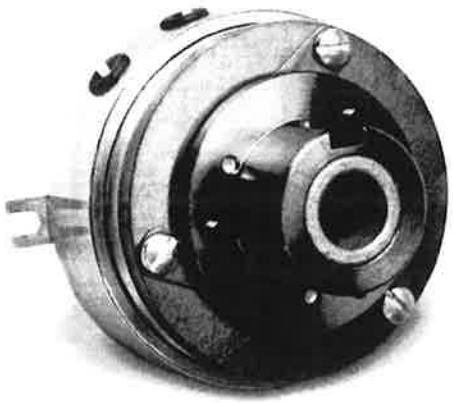


SL SERIES POWER-ON CLUTCHES

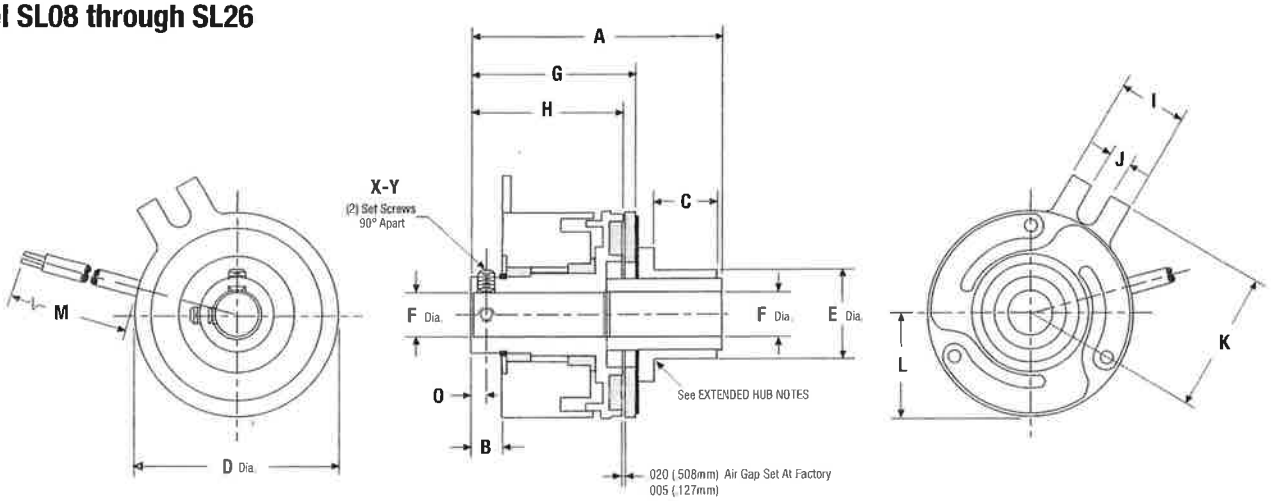
Shaft Mounted Clutches – Type SL

SL series power-on clutches are used to couple two parallel shafts. The armature hub assembly is mounted to the same shaft as the rotor assembly. The armature hub accommodates a pulley, gear, sprocket, etc., to transmit torque to the second shaft. The field assembly is mounted on the shaft and retained by a loose-fitting pin or bracket through the anti-rotation tab.

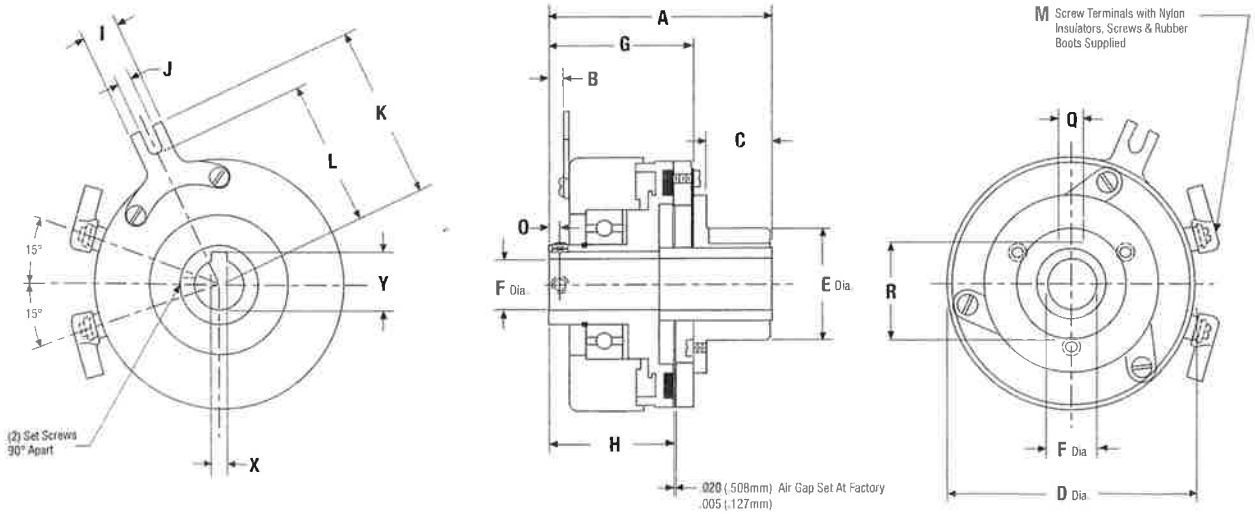
Customer Shall Maintain:

A loose-fitting pin through the anti-rotation tab to prevent preloading the bearings.

Model SL08 through SL26



Model SL30 and SL42



Shaft Mounted Clutches – Type SL Metric

Mechanical

MODEL NO.	STATIC TORQUE N-m	INERTIA kg-cm²		WEIGHT kg
		ROTOR	ARM & HUB	
SL08	.28	.006	.004	0.57
SL11	.68	.017	.008	0.91
SL15	1.13	.176	.009	.108
SL17	1.70	.179	.105	.312
SL19	2.83	.240	.138	.340
SL22	5.65	.629	.231	.567
SL26	9.04	1.062	.855	.794
SL30	14.12	1.785	1.642	1.417
SL42	28.24	7.316	6.731	2.410

Electrical

MODEL NO.	90 VDC		24 VDC		12 VDC	
	AMPS	OHMS	AMPS	OHMS	AMPS	OHMS
SL08	0.046	1977	0.117	205	0.246	48.8
SL11	0.047	1930	0.198	121	0.447	26.8
SL15	0.042	2150	0.183	132	0.38	31.6
SL17	0.066	1369	0.289	83	0.561	21.4
SL19	0.074	1213	0.294	81.6	0.574	20.9
SL22	0.079	1140	0.322	74.6	0.628	19.1
SL26	0.092	980	0.374	64.2	0.76	15.8
SL30	0.091	988	0.378	65.3	0.729	16.5
SL42	0.124	722	0.468	51.2	0.934	12.84

Lead wire is UL recognized style 1213, 1015 or 1430, 22 gage.
Insulation is 1.27 mm O.D. on 08, 11, 15 units; 1.63 or 2.41 mm O.D. on all other units.

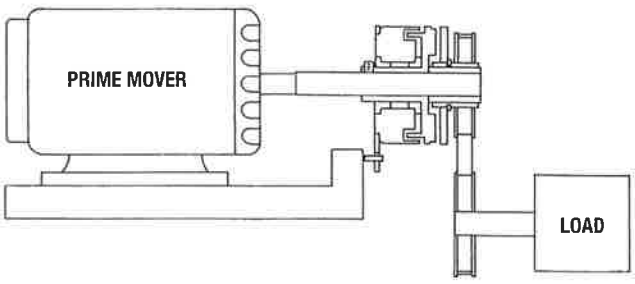
Dimensions

MODEL NO.	A MAX.	B NOM.	C MAX.	D MAX.	E ± .051	F NOM.	G NOM.	H NOM.	I MAX.	J MIN.	K NOM.	L NOM.	M ± 12.7	O NOM	ROTOR KEYWAY		
															BORE	KEYWAY	
																X	Y
SL08	34.798	4.851	10.414	22.936	12.878 (Knurl)	5H9	22.200	19.380	7.747	2.388	15.875	11.303	304.8	2.032	N.A.	SET SCREWS ONLY	
SL11	35.789	.734	10.058	29.464	12.582 (Knurl)	6H9 8H9	23.749	19.736	9.652	3.099	22.225	14.859	304.8	2.210	N.A.	SET SCREWS ONLY	
SL15	43.053	6.985	7.969	38.100	16.022 (Knurl)	8H9 10H9	31.877	27.305	13.208	4.572	28.448	19.050	304.8	3.175	N.A.	SET SCREWS ONLY	
SL17	46.304	7.087	9.703	45.212	16.002 (Knurl)	8H9 10H9	33.426	26.924	12.827	4.674	33.655	24.765	304.8	3.175	N.A.	SET SCREWS ONLY	
SL19	49.479	7.087	11.811	50.800	19.202 (Knurl)	10H9	33.757	26.924	12.827	4.674	33.655	24.765	304.8	3.175	10H9	2.988-3.060	11.40-11.50
SL22	54.864	7.137	10.973	57.404	19.202 (Knurl)	10H9	40.081	32.334	11.227	4.318	38.481	29.464	457.2	2.972	10H9	2.988-3.060	11.40-11.50
SL26	62.586	1.036	11.989	67.183	25.375	10H9 15H9	44.526	36.678	12.954	4.826	44.450	37.211	457.2	3.912	10H9 15H9	2.988-3.060 4.985-5.078	11.40-11.50 17.30-17.40
SL30	71.120	6.350	21.082	83.007	34.900	15H9	46.101	35.306	11.227	4.318	52.070	43.053	SCREW TERMI-NALS	3.429	15H9	4.985-5.078	17.30-17.40
SL42*	97.028	8.128	39.624	108.458	34.900	17H9 20H9 25H9	52.070	41.275	16.383	4.826	63.500	58.725	SCREW TERMI-NALS	4.750	17H9 20H9 25H9	4.985-5.078 5.985-6.078 7.982-8.098	19.30-19.40 22.80-22.90 28.30-28.50

*20 and 25 mm bore in rotor only.

Notes:

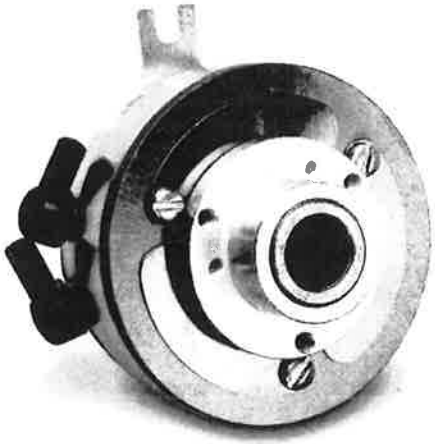
1. 08 units have set screws 120° apart
2. 08 and 19 units have retaining collar
3. 30 and 42 units have single ball bearing between field and rotor
4. 26 units have (3)-M#4 tapped holes on (34.93 mm) B.C. in armature hub face instead of knurl
5. 30 and 42 units have keyway instead of knurl (Q= 7.925/7.976, R=30.429/30.302)
6. 20 and 25 mm bore in rotor only for 42 unit



See page 4 for Ordering Information

Electromagnetic Friction Clutches & Brakes

Shaft Mounted Clutch Couplings – Type SO



SO SERIES POWER-ON CLUTCH COUPLINGS

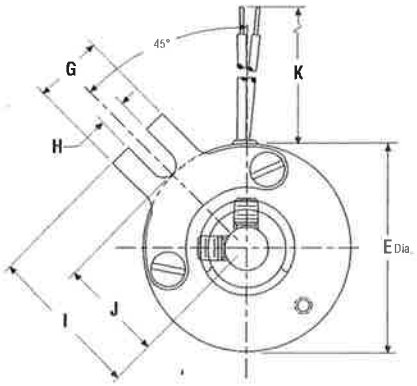
Shaft Mounted Clutch Couplings – Type SO

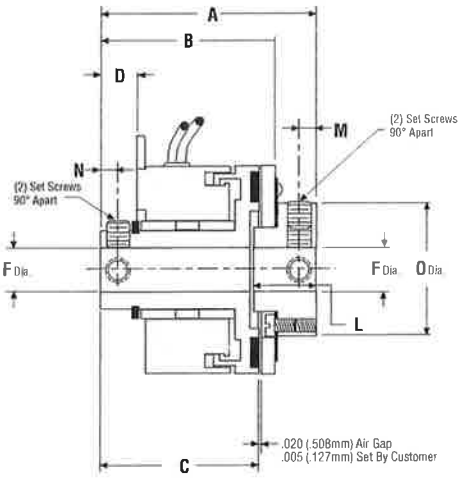
SO series power-on clutch couplings are used to couple two in-line shafts. The armature hub assembly is mounted to the load shaft, and the rotor assembly is mounted on the input shaft. The field assembly is mounted on the input shaft and retained by a loose-fitting pin or bracket through the anti-rotation tab.

Customer Shall Maintain:

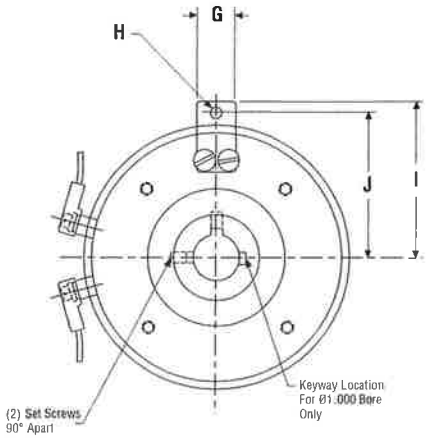
A loose-fitting pin through the anti-rotation tab to prevent preloading the bearings; concentricity between the shafts within .005 inch (.127 mm) T.I.R.; initial air gap setting of .005-.020 inches (.127-.508 mm).

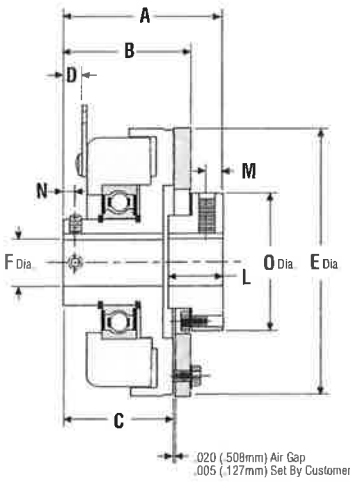
Model SO08 through SO26

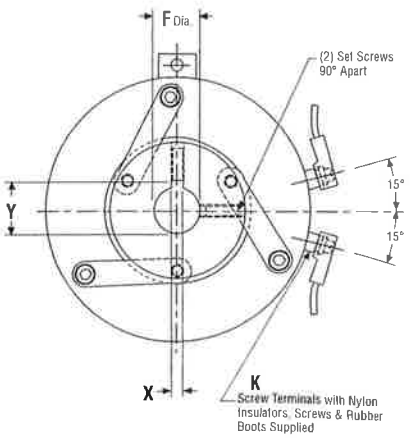




Model SO30 and SO42







Electromagnetic Friction Clutches & Brakes

Shaft Mounted Clutch Couplings – Type SO Metric

Mechanical

MODEL NO.	STATIC TORQUE N-m	INERTIA kg - cm²		WEIGHT kg
		ROTOR	ARM & HUB	
SO08	0.28	0.006	0.003	.06
SO11	0.68	0.017	0.007	.09
SO15	1.13	0.176	0.076	.11
SO17	1.70	0.179	0.091	.31
SO19	2.83	0.240	0.123	.34
SO22	5.65	0.629	0.205	.57
SO26	9.04	1.059	0.936	.79
SO30	14.12	1.785	1.642	1.28
SO42	28.24	7.316	6.731	2.27

Electrical

MODEL NO.	90 VDC		24 VDC		12 VDC	
	AMPS	OHMS	AMPS	OHMS	AMPS	OHMS
SO08	.046	1977	.117	205	.246	48.8
SO11	.047	1930	.198	121	.447	26.8
SO15	.042	2150	.183	132	.380	31.6
SO17	.066	1369	.289	83	.561	21.4
SO19	.074	1213	.322	74.4	.574	20.9
SO22	.079	1140	.322	74.6	.628	19.1
SO26	.092	980	.374	64.2	.760	15.8
SO30	.091	988	.378	65.3	.729	16.4
SO42	.124	722	.468	51.2	.934	12.84

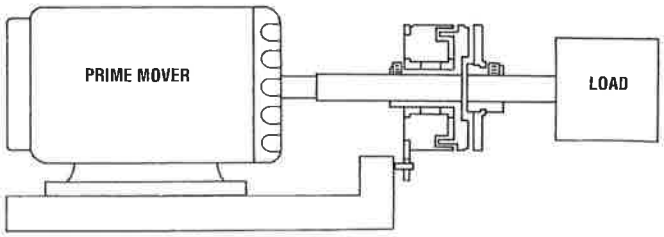
Lead wire is UL recognized style 1213, 1015 or 1430, 22 gage.
Insulation is 1.27 mm O.D. on 08, 11, 15 units; .1.63 mm or 2.41 mm O.D. on all other units.

Dimensions

MODEL NO.	A MAX.	B NOM.	C NOM.	D NOM.	E MAX.	F NOM.	G MAX.	H MIN.	I NOM.	J NOM.	K ± 12.7	ROTOR KEYWAY			L NOM.	M ±12.7	N NOM.	O NOM.
												BORE	KEYWAY					
													X	Y				
SO08	26.899	22.225	19.380	4.851	22.936	5H9	7.747	2.388	15.875	11.303	304.800	N.A.	SET SCREWS ONLY		6.020	1.778	2.032	12.700
SO11	29.667	23.698	19.736	3.734	29.464	6H9 8H9	9.652	3.099	22.225	14.859	304.800	N.A.	SET SCREWS ONLY		7.798	2.362	51.613	17.450
SO15	40.005	31.877	27.305	6.985	38.100	8H9 10H9	13.208	4.572	28.448	19.050	304.800	N.A.	SET SCREWS ONLY		12.065	3.175	3.175	24.511
SO17	40.767	33.299	26.924	6.858	45.212	8H9 10H9	12.827	4.674	33.655	24.765	304.800	8H9 10H9	1.988-2.060 2.988-3.060	9.00-9.10 11.40-11.50	11.684	2.921	3.175	30.226
SO19	40.869	33.376	26.924	6.858	50.800	10H9	12.827	4.674	33.655	24.765	304.800	10H9	2.988-3.060	11.40-11.50	11.557	2.921	3.175	30.226
SO22	50.521	40.081	32.334	7.137	57.404	10H9	11.227	4.318	38.481	29.464	457.200	10H9	2.988-3.060	11.40-11.50	12.954	2.921	2.972	25.527
SO26	53.721	44.552	36.678	7.036	67.183	10H9 15H9	12.954	4.826	44.950	37.211	457.200	10H9 15H9	2.988-3.060 4.985-5.078	11.40-11.50 17.30-17.40	15.494	3.810	3.912	36.576
SO30	54.635	46.101	35.636	6.731	83.007	15H9	11.227	4.318	52.070	43.053	SCREW TERMINALS	15H9	4.985-5.078	17.30-17.40	17.272	3.810	3.429	46.355
SO42	65.278	52.070	41.275	8.128	108.458	17H9 20H9 25H9	16.383	4.826	63.500	58.725	SCREW TERMINALS	17H9 20H9 25H9	4.985-5.078 5.985-6.078 7.982-8.098	19.30-19.40 22.80-22.90 28.30-28.50	22.606	6.350	4.750	55.753

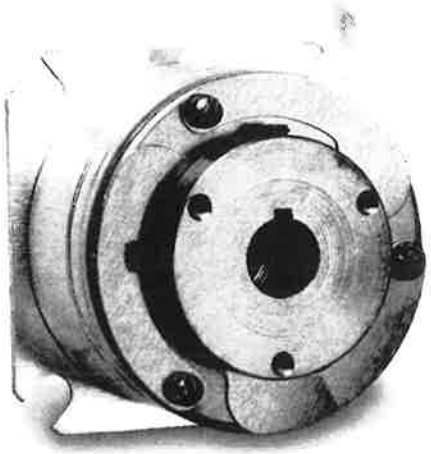
Notes:

1. 30 and 42 units have a single ball bearing between the field and rotor.
2. 08 units have set screws 120° apart.
3. 08 and 19 units have retaining collar.



See page 4 for Ordering Information

Flange Mounted Clutch Couplings – Type FO



FO SERIES POWER-ON CLUTCH COUPLINGS

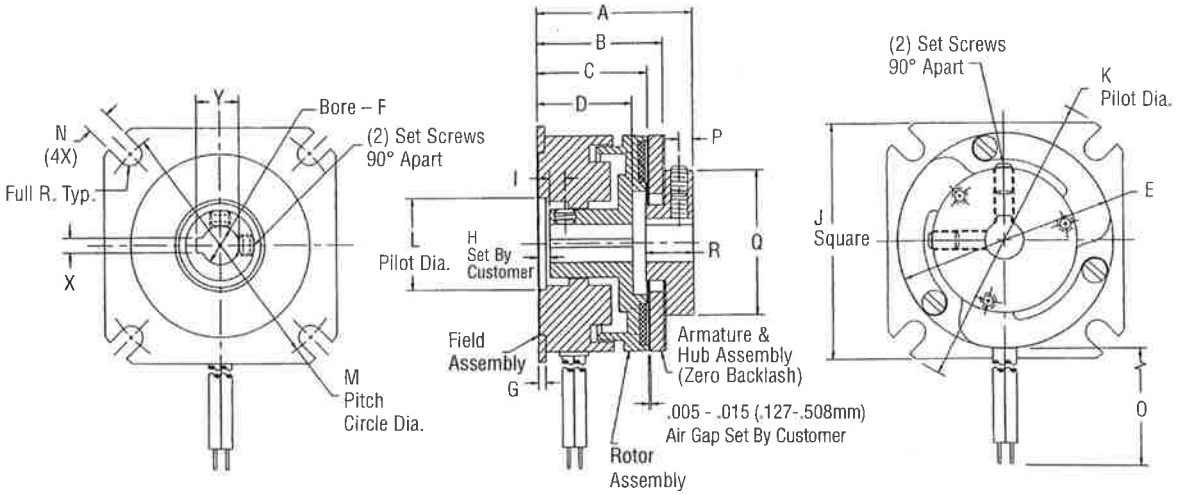
Flange Mounted Clutch Couplings – Type FO

FO series power-on clutch couplings are used to couple two in-line shafts. The armature hub assembly is mounted to the load shaft, and the rotor assembly is mounted on the input shaft. The field assembly is mounted to a bulkhead that is perpendicular to the shaft.

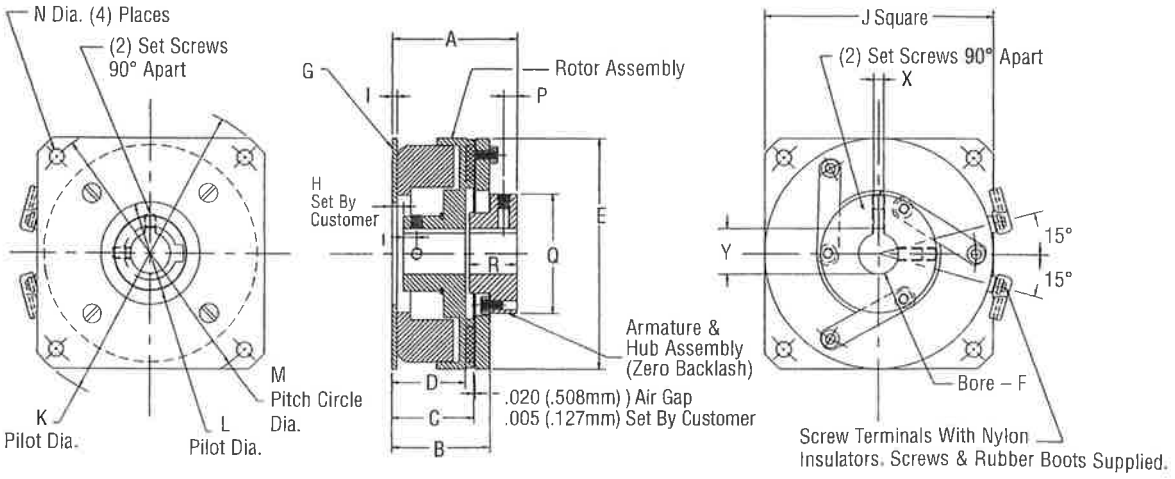
Customer Shall Maintain:

The perpendicularity of the mounting surface with respect to the shaft not to exceed .005 inch (.127mm) T.I.R. at a diameter equal to the bolt circle; initial air gap setting of .005-.020 inches (.127 - .508mm); concentricity between the clutch mounting pilot diameter and the shaft not to exceed .004 inch (.102mm) T.I.R.

Model FO08 through FO26



Model FO30 and FO42



Electromagnetic Friction Clutches & Brakes

Flange Mounted Clutch Couplings – Type FO Metric

Mechanical

MODEL NO.	STATIC TORQUE N-m	INERTIA kg-cm²		WEIGHT kg
		ROTOR	ARM & HUB	
FO08	.28	.006	.003	.06
FO11	.68	.015	.007	.09
FO15	1.13	.016	.076	.11
FO17	1.70	.173	.091	.31
FO19	2.83	.234	.123	.34
FO22	5.65	.615	.205	.57
FO26	9.04	1.320	.936	.79
FO30	14.12	1.785	1.642	1.13
FO42	28.24	7.316	6.731	2.13

Electrical

MODEL NO.	90 VDC		24 VDC		12 VDC	
	AMPS	OHMS	AMPS	OHMS	AMPS	OHMS
FO08	.046	1977	.117	205	.246	48.8
FO11	.047	1930	.198	121	.447	26.8
FO15	.042	2150	.183	132	.380	31.6
FO17	.066	1369	.289	83	.561	21.4
FO19	.074	1212	.322	74.4	.574	20.9
FO22	.079	1140	.322	74.6	.628	19.1
FO26	.088	1024	.358	67.1	.667	18.0
FO30	.091	988	.378	65.3	.729	16.5
FO42	.124	722	.468	51.2	.934	12.84

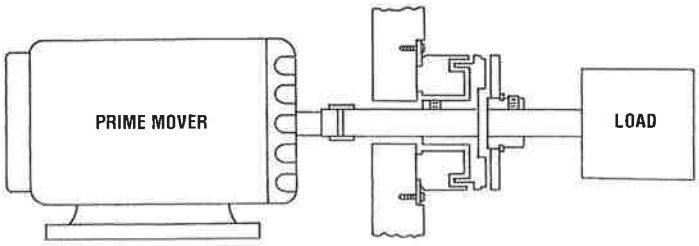
Lead wire is UL recognized style 1213, 1015 or 1430, 22 gage.
Insulation is 1.27 mm O.D. on 08, 11, 15 units; .1.63 mm or 2.41 mm O.D. on all other units.

Dimensions

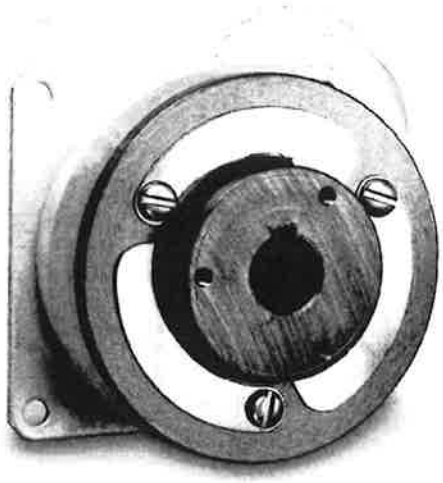
MODEL NO.	A MAX.	B NOM.	C NOM.	D NOM.	E MAX.	F NOM.	G MAX.	H ±.127	I ±.127	J MAX.	K ±.025	L ±.025	M NOM.	N MIN.	O ±12.7	ROTOR KEYWAY			P NOM.	Q MAX.	R MAX.
																BORE	KEYWAY X	KEYWAY Y			
FO08	22.403	17.602	16.281	14.783	22.987	5H9	0.864	0.508	4.755	24.892	30.467	N.A.	26.162	2.388	304.800	N.A.	ONE ROLL PIN HOLE		1.778	12.700	6.020
FO11	25.705	19.609	17.551	15.646	29.469	6H9 8H9	1.219	0.508	4.775	31.242	38.049	N.A.	33.325	3.124	304.800	N.A.	ONE ROLL PIN HOLE		2.362	17.450	7.798
FO15	33.071	24.689	21.971	20.320	38.100	8H9 10H9	1.600	2.540	3.302	39.802	50.775	N.A.	44.450	3.962	304.800	N.A.	ONE ROLL PIN HOLE		3.175	24.511	12.065
FO17	34.239	26.695	23.495	20.320	45.212	8H	1.626	2.540	3.302	49.352	61.874	19.050	53.975	4.724	304.800	8H9	1.988-2.060	9.00-9.10	2.921	30.226	11.43
FO19	33.782	26.137	22.885	19.837	50.800	10H9	1.575	2.540	3.302	49.352	61.874	19.050	53.975	4.724	304.800	10H9	2.988-3.060	11.40-11.50	2.921	30.226	11.557
FO22	44.628	33.655	29.794	25.984	57.404	10H9	2.438	2.540	4.775	58.979	72.974	25.425	63.500	4.064	457.200	10H9	2.988-3.060	11.40-11.50	2.921	25.527	12.954
FO26	46.050	37.084	33.020	29.210	67.183	10H9 15H9	1.626	9.525	4.639	66.802	88.875	26.975	79.375	4.623	457.700	10H9 15H9	2.988-3.060 4.985-5.078	11.40-11.50 17.30-17.40	3.810	36.576	15.494
FO30	48.260	40.132	33.274	29.464	83.007	15H9 17H9	2.464	3.734	7.874	81.280	106.324	44.475	95.250	4.623	SCREW TERMI-NALS	15H9 17H9	4.985-5.078 4.985-5.078	17.30-17.40 19.30-19.40	3.810	46.355	17.272
FO42	57.912	44.704	37.846	34.163	108.458	17H9 20H9 25H9	2.464	4.826	6.350	108.077	142.850	47.625	127.000	7.010	SCREW TERMI-NALS	17H9 20H9 25H9	4.985-5.078 5.985-6.078 7.982-8.098	19.30-19.40 22.80-22.90 28.30-28.50	6.350	55.753	22.606

Notes:

1. 08, 11 and 15 units have one roll pin pilot hole in rotor – no set screws.



See page 4 for Ordering Information



FB SERIES POWER-ON BRAKES

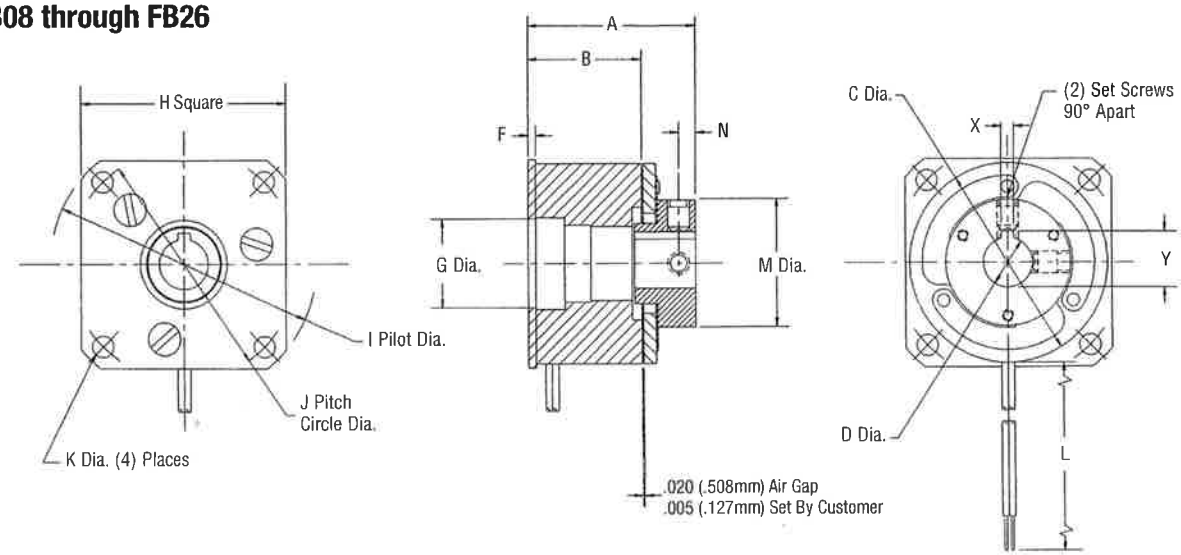
Flange Mounted Brakes – Type FB

FB series power-on brakes are used to stop or hold a load that is coupled to the armature hub assembly. The armature hub is attached to the load shaft. The field assembly is mounted to a bulkhead that is perpendicular to the shaft.

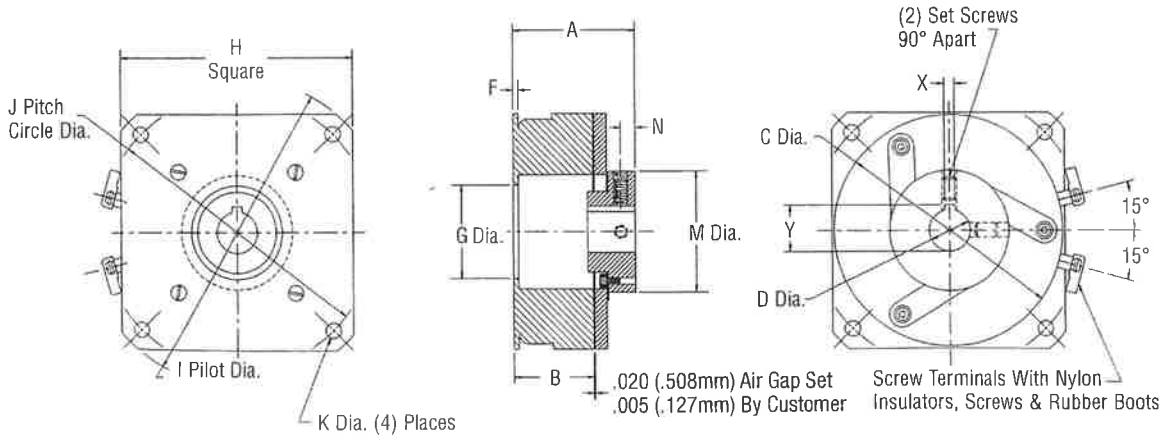
Customer Shall Maintain:

The perpendicularity of the mounting surface with respect to the shaft not to exceed .005 inch (.127mm) T.I.R. at a diameter equal to the bolt circle; concentricity between the brake mounting pilot diameter and the shaft not to exceed .010 inch (.254mm) T.I.R; initial air gap setting of .005-.020 (.127-.508mm) inches.

Model FB08 through FB26



Model FB30 and FB42



Flange Mounted Brakes – Type FB Metric

Mechanical

MODEL NO.	STATIC TORQUE N-m	INERTIA kg - cm² ARM & HUB	WEIGHT kg
FB08	.28	.003	.057
FB11	.68	.007	.091
FB15	1.13	.076	.108
FB17	1.70	.091	.312
FB19	2.83	.123	.340
FB22	5.65	.205	.567
FB26	9.04	.936	.794
FB30	14.12	1.642	.992
FB42	28.24	6.731	1.70

Electrical

MODEL NO.	90 VDC		24 VDC		12 VDC	
	AMPS	OHMS	AMPS	OHMS	AMPS	OHMS
FB08	.049	1970	.117	205	.246	48.8
FB11	.047	1930	.198	121	.447	26.8
FB15	.042	2150	.183	132	.380	31.6
FB17	.066	1369	.289	83	.561	21.4
FB19	.074	1213	.322	74.4	.574	20.9
FB22	.079	1140	.322	74.6	.628	19.1
FB26	.092	980	.374	64.2	.760	15.8
FB30	.091	988	.378	65.3	.729	16.5
FB42	.124	722	.468	51.2	.934	12.84

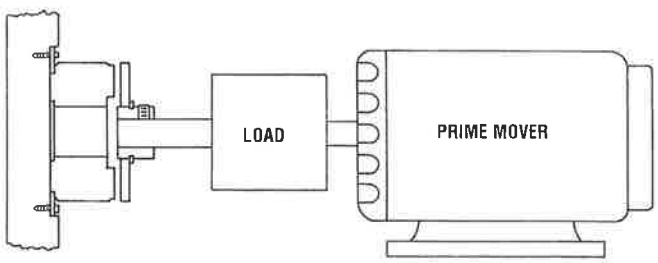
Lead wire is UL recognized style 1213, 1015 or 1430, 22 gage.
Insulation is .127 mm O.D. on 08, 11, 15 units; 1.63 mm or 2.41 mm O.D. on all other units.

Dimensions

MODEL NO.	A MAX.	B NOM.	C MAX.	D NOM.	E NOM.	F MAX.	G ±.025	H MAX.	I ±.025	J NOM.	K MIN.	L ±12.7	HUB KEYWAY			M MAX.	N NOM.
													BORE	KEYWAY X	KEYWAY Y		
FB08	22.479	16.104	22.987	5H9	14.529	0.864	N.A.	24.892	30.4673	26.162	2.388	304.800	N.A.	SET SCREWS ONLY		12.700	1.778
FB11	24.740	16.510	29.464	6H9 8H9	15.138	1.321	N.A.	31.242	38.049	33.325	3.124	304.800	N.A.	SET SCREWS ONLY		17.450	2.362
FB15	33.122	22.022	38.100	8H9 10H9	20.371	1.600	N.A.	39.802	50.775	44.450	3.962	304.800	N.A.	SET SCREWS ONLY		24.384	3.175
FB17	32.233	21.539	45.212	8H9 10H9	18.847	1.626	19.075	49.352	61.874	53.975	4.724	304.800	8H9 10H9	1.988-2.060 2.988-3.060	9.00-9.10 11.40-11.50	30.226	2.921
FB19	33.782	22.885	50.800	10H9	19.710	1.575	19.075	49.352	61.874	53.975	4.724	304.800	10H9	2.988-3.060	11.40-11.50	30.226	2.921
FB22	44.628	29.794	57.404	10H9	25.984	2.438	25.425	58.979	72.974	63.500	4.064	457.200	10H9	2.988-3.060	11.40-11.50	25.527	2.921
FB26	46.101	33.020	67.183	10H9 15H9	29.210	2.032	26.975	66.802	88.875	79.375	4.623	457.200	10H9 15H9	2.988-3.060 4.985-5.078	11.40-11.50 17.30-17.40	36.576	3.810
FB30	48.260	33.274	83.007	15H9 17H9	29.464	2.464	44.475	81.280	106.324	95.250	4.623	SCREW TERMI-NALS	15H9 17H9	4.985-5.078 4.985-5.078	17.30-17.40 19.30-19.40	46.355	3.810
FB42	57.912	37.846	108.458	17H9 20H9 25H9	N.A.	2.464	47.625	108.077	142.850	127.000	7.010	SCREW TERMI-NALS	17H9 20H9 25H9	4.985-5.078 5.985-6.078 7.982-8.098	19.30-19.40 22.80-22.90 28.30-28.50	55.753	6.350

Notes:

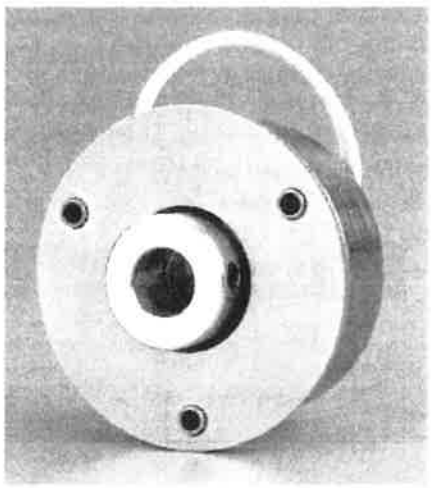
1. 08 units have set screws 120° apart.



See page 4 for Ordering Information

Spring Applied Friction Brakes

Flange Mounted Spring Applied Brakes – Type FSB



FSB001 Shown

FSB SERIES SPRING APPLIED BRAKES

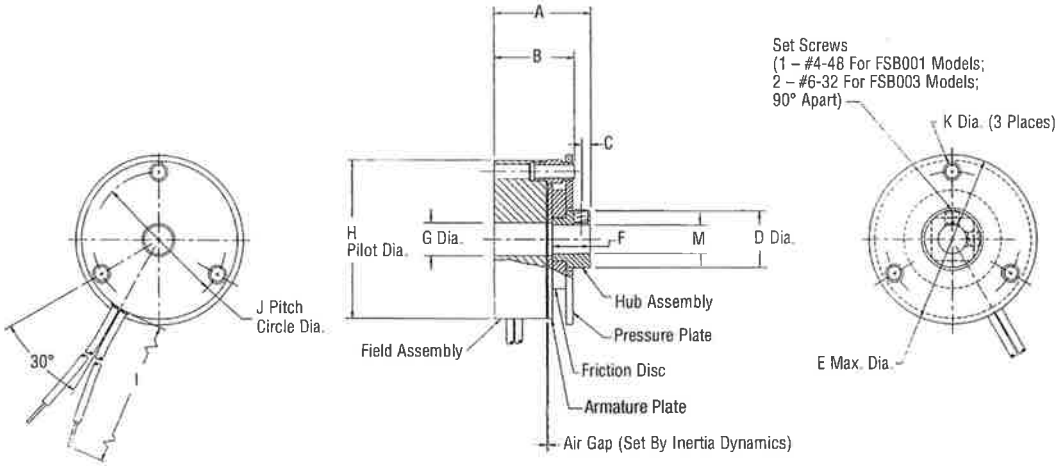
Flange Mounted Spring Applied Brakes – Type FSB

Inertia Dynamics type FSB brakes are designed to decelerate or hold inertial loads when the voltage is turned off. These brakes can be mounted to a bulkhead or motor.

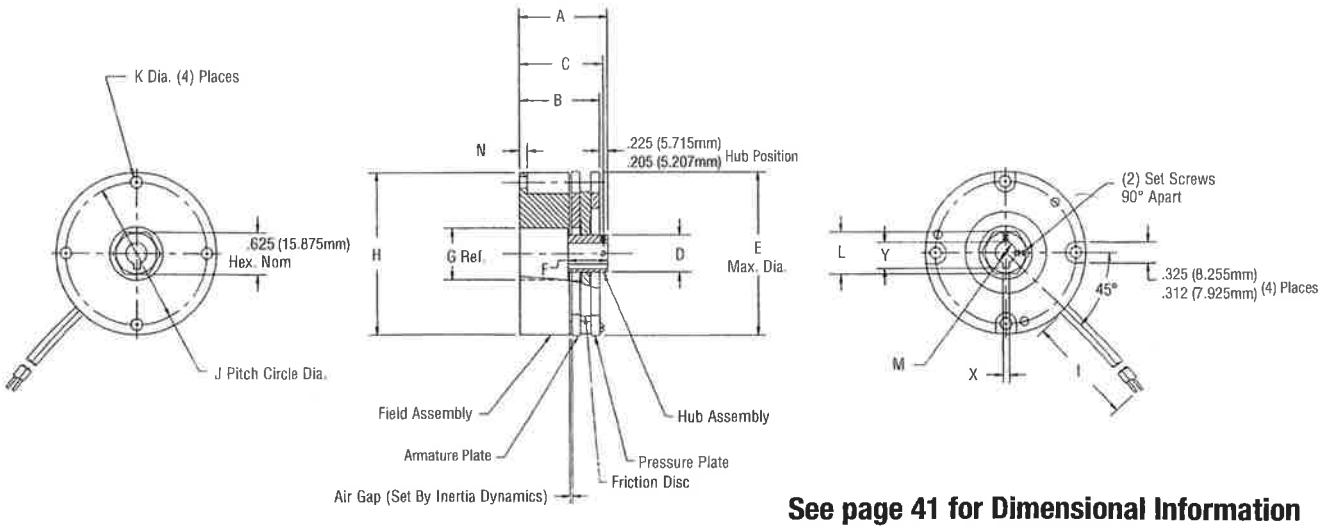
Customer Shall Maintain:

The perpendicularity of the mounting surface with respect to the shaft not to exceed .005 inch (0.127 mm) T.I.R. at a diameter equal to the brake body outside diameter; the concentricity between the mounting holes and the shaft not to exceed .010 T.I.R. for sizes 001-015 and .020 (0.508 mm) T.I.R. for sizes 035-100. Refer to instruction manual #040-10110.

Model FSB001 or FSB003 - Square Drive



Model FSB007 or FSB015 - Hex Drive



See page 41 for Dimensional Information

Flange Mounted Spring Applied Brakes – Type FSB Metric

Mechanical

MODEL NO.	STATIC TORQUE N-m	INERTIA kg-cm² ARMATURE & HUB ASSEMBLY		WEIGHT kg
		SQUARE OR HEX DRIVE	ZERO BACKLASH	
FSB001	.113	.0012	N.A.	.06
FSB003	.339	.0050	N.A.	.09
FSB007	.791	.0389	.0515	.43
FSB015	1.69	.0389	.0515	.45
FSB035	3.95	.2458	.5071	.94
FSB050	5.65	.2458	.5071	1.0
FSB100	11.3	.5999	N.A.	1.8

Electrical

MODEL NO.	90 VDC		24 VDC		12 VDC		120 VAC	
	AMPS	OHMS	AMPS	OHMS	AMPS	OHMS	AMPS	OHMS
FSB001	.052	1720	.170	138	.34	35	.041	N.A.
FSB003	.064	2177	.190	132	.353	34	.050	N.A.
FSB007	.059	1520	.247	97.3	.477	25.1	.045	N.A.
FSB015	.098	922	.369	65.1	.719	16.7	.077	N.A.
FSB035	.093	964	.394	61.0	.755	15.9	.073	N.A.
FSB050	.194	465	.717	33.5	1.54	7.75	.140	N.A.
FSB100	.180	501	.707	34	1.41	8.5	.142	N.A.

Lead wire is UL recognized style 1430 or 1015, 22 gage. Insulation is 1.63 mm O.D. on 001 & 003 units; 2.41 mm O.D. on 007, 015, 035, 050 & 100 units.

Dimensions

MODEL NO.	HUB STYLE	A MAX.	B MAX.	C NOM.	D MAX.	E MAX.	F MIN.	G REF.	H MAX	I ± 12.7	J NOM.	K MIN.	L NOM.	N MAX.	M BORES & KEYWAY		
															BORE	NOMINAL KEYWAY	
																X	Y
FSB001	Square Drive	22.606	18.034	1.829	12.594	37.719	8.128	7.112	34.925	304.800	29.972	2.870	9.525	N.A.	5H9 6H9	SET SCREWS ONLY	
FSB003	Square Drive	26.924	22.098	2.921	19.177	48.514	9.652	10.414	44.501	304.800	39.243	2.870	14.288	N.A.	6H9 8H9	SET SCREWS ONLY	
FSB007	Hex Drive	35.560	30.480	36.877	18.339	62.611	15.367	19.837	61.874	304.800	53.975	4.369	15.875	3.048	6H9 8H9	1.988-2.060	7.00-7.10
	Zero Backlash	35.560	30.480	31.877	24.257	62.611	11.430	19.837	61.874	304.800	53.975	4.369	N.A.	—		1.988-2.060	9.00-9.10
FSB015	Hex Drive	35.560	30.480	31.877	18.339	62.611	15.367	19.837	61.874	304.800	53.975	4.369	15.875	3.048	6H9 8H9	1.988-2.060	7.00-7.10
	Zero Backlash	35.560	30.480	31.039	24.257	62.611	11.430	19.837	61.874	304.800	53.975	4.569	N.A.	—		1.988-2.060	9.00-9.10
FSB035	Hex Drive	53.594	48.768	49.784	25.400	76.454	14.732	22.631	88.900	457.200	79.375	5.080	28.575	3.607	10H9 15H9	2.988-3.060	11.40-11.50
	Zero Backlash	56.642	48.641	50.749	41.275	76.454	18.542	22.631	88.900	457.200	79.375	5.080	N.A.	—		4.985-5.078	17.30-17.40
FSB050	Hex Drive	53.594	48.768	49.784	25.400	76.454	14.732	22.631	88.900	457.200	79.375	5.080	28.575	3.607	10H9 15H9 17H9	2.988-3.060 4.985-5.078 4.985-5.078	11.40-11.50 17.30-17.40 19.30-19.40
	Zero Backlash	56.642	48.641	50.749	41.275	76.454	18.542	22.631	88.900	457.200	79.375	5.080	N.A.	—			
FSB100	Hex Drive	58.928	52.832	53.340	24.765	101.600	14.097	30.175	133.350	457.200	120.65	5.486	38.100	5.334	15H9	4.985-5.078	17.30-17.40

Notes:

Hex Drive – FSB

1. For sizes 001 and 003, position hub .254-.508 mm back from friction disc with coil de-energized.
2. For sizes 007 and larger, position hub .254-.762 mm back from clapper plate with coil de-energized.
3. Dimension "C" is the centerline of the set screw(s) in the hub.

Zero Backlash – FSB

1. Position hub to run freely with coil energized taking care to center the friction disc between the clapper and pressure plate.
2. Dimension "C" is the centerline of the set screw(s) in the hub.

See page 29 for Ordering Information