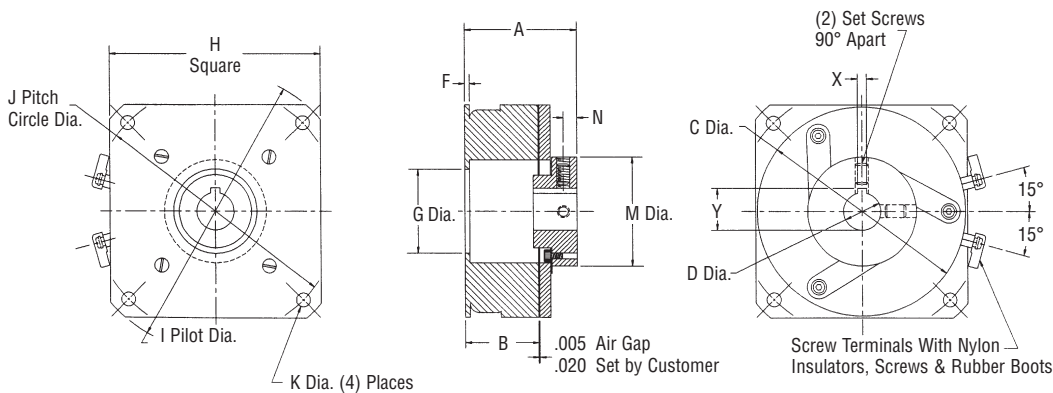
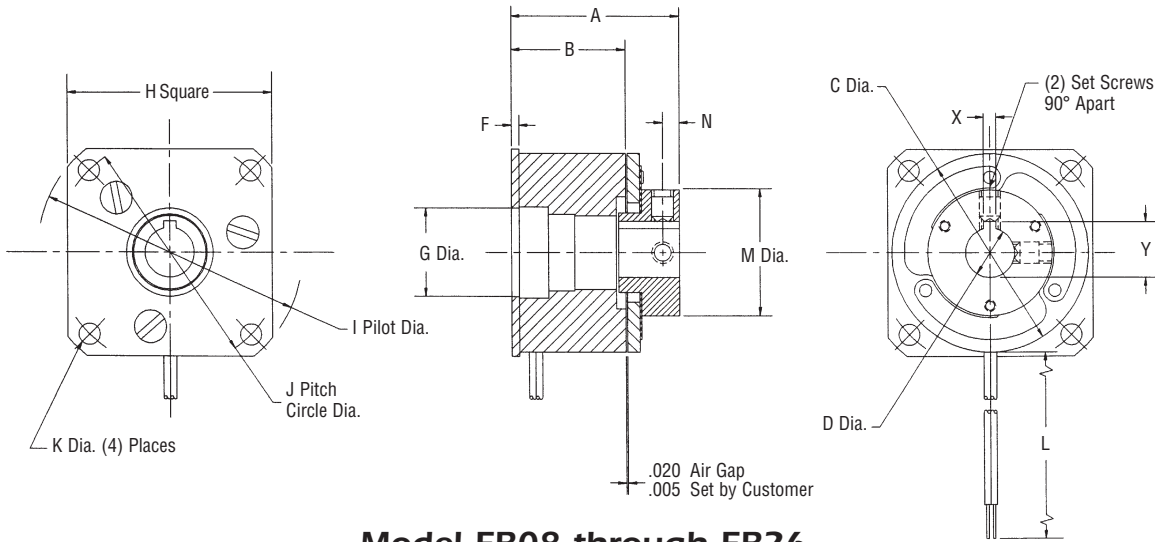


Flange Mounted Brakes – Type FB

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 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 T.I.R; initial air gap setting of .005-.020 inches.

Mechanical

MODEL NO.	STATIC TORQUE LB. – IN.	INERTIA LB. – IN. ²		WGT. OZ.
		ARM & HUB		
FB08	2.5	.0011		2.0
FB11	6	.0024		3.2
FB15	10	.026		3.8
FB17	15	.031		11
FB19	25	.042		12
FB22	50	.070		20
FB26	80	.320		28
FB30	125	.561		35
FB42	250	2.30		60

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

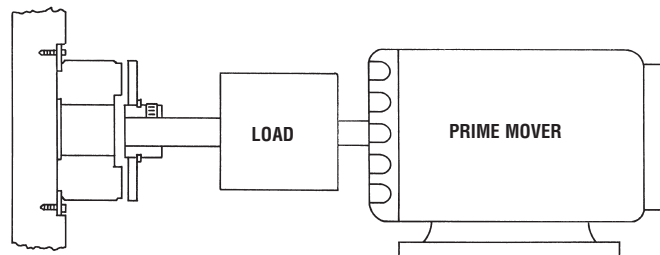
Lead wire is UL recognized style 1213, 1015 or 1430, 22 gage.
Insulation is .050" O.D. on 08, 11, 15 units; .064" or .095" O.D. on all other units.

Dimensions

MODEL NO.	A MAX.	B NOM.	C MAX.	D NOM.	F MAX.	G ± .001	H MAX.	I ± .001	J NOM.	K MIN.	L ± .500	HUB KEYWAY			M MAX.	N NOM.
												BORE	NOMINAL KEYWAY X Y			
FB08	.885	.634	.905	$\frac{1}{8}$ $\frac{3}{16}$ $\frac{1}{4}$	.034	N.A.	.980	1.1995	1.030	.094	12.00	N.A.	SET SCREWS ONLY		.500	.070
FB11	.954	.650	1.160	$\frac{3}{16}$ $\frac{1}{4}$ $\frac{5}{16}$	.052	N.A.	1.230	1.498	1.312	.123	12.00	N.A.	SET SCREWS ONLY		.687	.093
FB15	1.304	.867	1.500	$\frac{1}{4}$ $\frac{5}{16}$ $\frac{3}{8}$	.063	N.A.	1.567	1.999	1.750	.156	12.00	N.A.	SET SCREWS ONLY		.960	.125
FB17	1.269	.848	1.780	$\frac{1}{4}$ $\frac{5}{16}$ $\frac{3}{8}$	.064	.751	1.943	2.436	2.125	.186	12.00	$\frac{1}{4}$ $\frac{5}{16}$ $\frac{3}{8}$	.0625 – .0655 .0625 – .0655 .094 – .097	285 – 290 .347 – .352 .417 – .427	1.190	.115
FB19	1.330	.901	2.000	$\frac{5}{16}$ $\frac{3}{8}$ $\frac{1}{2}$	.062	.751	1.943	2.436	2.125	.186	12.00	$\frac{5}{16}$ $\frac{3}{8}$ $\frac{1}{2}$	.0625 – .0655 .094 – .097 .125 – .128	.347 – .352 .417 – .427 .560 – .567	1.190	.115
FB22	1.757	1.173	2.260	$\frac{3}{8}$ $\frac{1}{2}$	.096	1.001	2.322	2.873	2.500	.160	18.00	$\frac{3}{8}$ $\frac{1}{2}$	.094 – .097 .125 – .128	.417 – .427 .560 – .567	1.005	.115
FB26	1.815	1.300	2.645	$\frac{3}{8}$ $\frac{1}{2}$ $\frac{5}{8}$	.080	1.062	2.630	3.499	3.125	.182	18.00	$\frac{3}{8}$ $\frac{1}{2}$ $\frac{5}{8}$	.094 – .097 .125 – .128 .1885 – .1905	.417 – .427 .560 – .567 .709 – .716	1.440	.150
FB30	1.900	1.310	3.268	$\frac{1}{2}$ $\frac{5}{8}$ $\frac{3}{4}$	.097	1.751	3.200	4.186	3.750	.182	SCREW TERMINALS	$\frac{1}{2}$ $\frac{5}{8}$ $\frac{3}{4}$	.125 – .128 .1885 – .1905 .1885 – .1905	.560 – .567 .709 – .716 .836 – .844	1.825	.150
FB42	2.280	1.490	4.270	$\frac{1}{2}$ $\frac{5}{8}$ $\frac{3}{4}$ $\frac{7}{8}$ 1	.097	1.875	4.255	5.624	5.000	.276	SCREW TERMINALS	$\frac{1}{2}$ $\frac{5}{8}$ $\frac{3}{4}$ $\frac{7}{8}$ 1	.125 – .128 .1885 – .1905 .1885 – .1905 .1885 – .1905 .251 – .253	.560 – .567 .709 – .716 .836 – .844 .962 – .970 1.113 – 1.121	2.195	.250

NOTES:

1. 08 units have set screws 120° apart.



See page 3 for ordering information

PART NUMBERING SYSTEM FOR PRODUCTS ON PAGES 3 TO 35 OF THIS CATALOG

A			A			B		B-C		D		E		F	
DIGIT	DIGIT	MODEL NO.	DIGIT	DIGIT	SIZE	DIGIT	VOLTS	DIGIT	BORE	DIGIT	DRIVE	DIGIT	CONNECTION		
1	7	FSB	0	1	001	1	90 VDC	1	1/8	1	ZERO BACKLASH	1	LEAD WIRES		
1	9	FSBR	0	2	003	2	24 VDC	2	3/16	2	HEX/SQUARE	2	SCREW TERMINALS		
2	1	FSBR (MANUAL RELEASE)	0	3	007	3	12 VDC	3	1/4	3	DYNAMIC (MANUAL RELEASE BRAKE ONLY)	3	SWITCH (MANUAL RELEASE BRAKE ONLY)		
			0	4	015	4	120 VAC	4	5/16	4	STATIC (MANUAL RELEASE BRAKE ONLY)	4	CONDUIT BOX		
			0	5	035			5	3/8	5	SPLINE				
			0	6	050			6	1/2						
			0	7	100			7	5/8						
			0	8	200			8	3/4						
0	1	SL	0	9	08			9	7/8						
0	3	BSL	1	0	11			0	1						
0	5	FL	1	1	15			11	1 1/8						
0	7	SO	1	2	17			12	1 1/4						
0	9	FO	1	3	19			13	1 3/8						
1	1	FB	1	4	22			14	1 1/2						
1	3	SLB	1	5	26										
1	5	SOB	1	6	30										
			1	7	42										
1	8	SAB	1	8	20										
			1	9	90										
			2	1	180										
			2	3	400										
			2	5	1200										

How To Order

- A. Select the model number from the product guide.
- B. Select the size of the clutch or brake.
- C. Select the voltage.
- D. Select the bore diameter.
- E. For all power-on clutches and brakes, select 1. For model FSBR and SAB-20, & 90, select 2. For model FSB spring applied brakes, select 1 or 2. For manual release brakes, select 3 or 4. For SAB-180, 400, & 1200, select 5.
- F. For all clutches and brakes, refer to the product guide and specify 1 or 2. For manual release brakes, if a switch is desired, select 3, otherwise use a 1.

Example

SL11 clutch, 24 volts, 1/4" bore

Part No. 0110-2311

FSB050 brake, 90 volts, 3/8" bore, Hex drive

Part No. 1706-1521