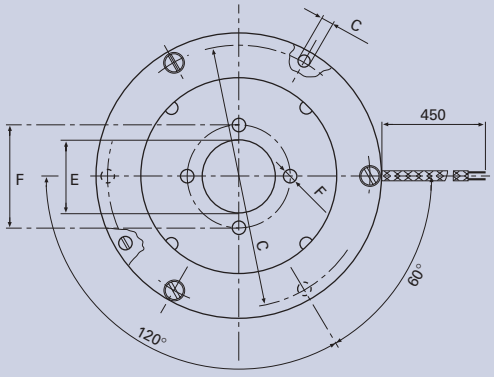
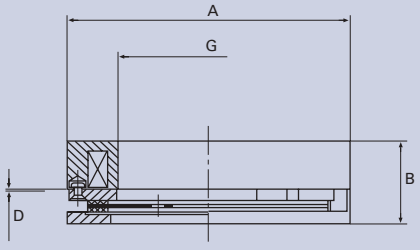
Brakes

These Electro-Magnetic Brakes are Single Disc units which operate on the Fail Safe principle. Functionally the brake is released by energisation of the operating coil with D.C. supply, and is applied by interruption of the coil current or power failure.





Technical Specifications

	STATIC TORQUE (Nm)	VOLTAGE (V)	CURRENT (A)	INERTIA OF FRICTION DISC (kg cm^2)	MASS (kg)
FB-00	4 8 12	24	1.2	0.3	0.8

* without chopper

	STATIC TORQUE (Nm)	START POWER (W)	CONSTANT POWER (W)	INERTIA OF FRICTION DISC (kg cm^2)	MASS (kg)
FB-07	0.35 0.7 1	142	5	0.08	0.3
FB-10	1 2 4 8 16	210	9.5	0.3	0.8
FB-14	3.5 7.5 15 30	220	10	1.54	1.5

* with chopper

Chopper Specifications

	SYMBOLS	UNITS	DATA
Supply Voltage (-30%÷15%) ripple max. 4%	U_1	V	24
Overexcitation Voltage	U	V	-2
Overexcitation Time	τ	ms	150
Overexcitation Current	I	A	10 max
Retention Voltage (Chopper for FB-10/14)	U_3	V	5.5
Retention Voltage (Chopper for FB-07)	U_3	V	4.8
Retention Current	I_3	A	2
Response Time	T	ms	50
Chopper Frecuency	F	kHz	20
Operating Temperature	T	°C	0-70
Mass	M	kg	0.095

Dimensions

		FB-00	FB-07	FB-10	FB-14
A	h8	101	75	101	142
B		34	23.7	29	33.7
C		93	69.5	93	134
	H12	3 x ø4.3	3 x ø3.4	3 x ø4.3	3 x ø4.3
D	±0.05	0.3	0.2	0.3	0.4
E		26	20	26	26
F		36	28	36	36
	H12	ø4.3	ø4.3	ø4.3	ø4.3
G	H8	60	56	65	102