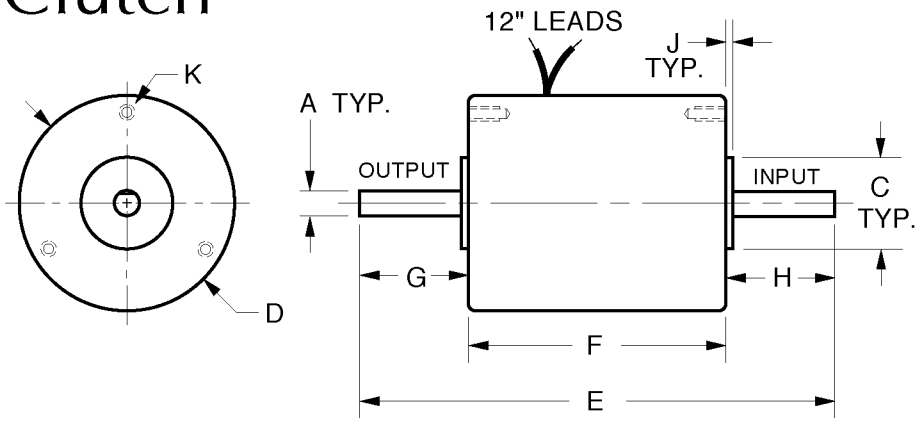
MAGNETIC PARTICLE

Clutch

2 to 130 Lb.-In.



The input shaft becomes coupled to the output shaft with electrical excitation. Torque is proportional to input current, and independent of speed.

Typical applications: producing tension for rewinding film, fabric & wire; torque limiting; and soft starts.

Coil Voltages: 6, 12, 24, and 90 V. D.C.

DIMENSIONS

MODEL	A ±.0002	C +0 -.001	D ±.015	E Nom.	F ±.030	G ±.020	H ±.020	J ±.010	K # of Holes	K Thread	K B.C.
C2	.1872	1.312 ②	1.437 / 1.434	2.88	1.66	.59	.63	.135 ② / .129	3 ①	# 3 - 48 ①	1.140 ①
C5	.3122	1.125	2.25	4.40	2.50	1.07	.83	.08	3	# 6 - 32	2.031
C15	.3745	1.125	2.85	5.07	2.80	1.27	1.00	.09	3	# 8 - 32	2.000
C35	.4995	1.375	3.375	5.53	3.375	1.08	1.08	.08	4	# 10 - 32	3.000
C70	.7495	1.625	4.50	6.50	3.67	1.46	1.37	.13	4	#10 - 32	4.228
C130	.7495	2.000	5.20	6.61	3.67	1.46	1.48	.13	4	1/4 - 20	4.812

① Mounting holes are on output end only. C = .750 Dia. & J = .060 on output end.

② Size 15 standard BuOr servo mounting on input end only. See separate drawing.

SPECIFICATIONS

MODEL	Torque Range	Input Electric Power (Watts)	Output Shaft Inertia (Lb.-In.-Sec^2)	Max. Slip Heat Dissipation (Watts)	Unforced Response (mSec.)	Max. Overhung Load (Lbs.)	Max. RPM	Weight (Lbs.)
C2	1 - 32 oz.-in.	3	26×10^{-7}	6	9	4	2000	0.7
C5	2 - 80 "	5	13×10^{-6}	10	18	20	2000	3
C15	0.4 - 15 lb.-in.	6	33×10^{-6}	20	25	35	1400	5
C35	1 - 35 "	10	15×10^{-5}	30	70	50	1000	9
C70	1.3- 70 "	14	66×10^{-5}	50	90	80	1000	17
C130	4 - 130 "	15	15×10^{-4}	80	130	80	1000	21

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