

MAGNETIC PARTICLE CLUTCHES



ULTRAFAST RESPONSES
SOFT OR FAST START

PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM

> COIL DATA:

Voltage: 24V DC

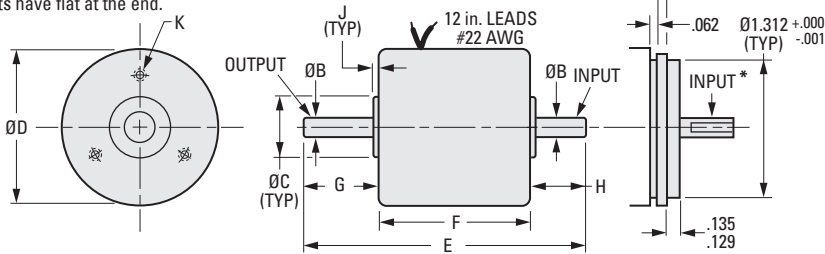
Voltages other than 24 Volts DC available on special order.

> APPLICATIONS:

- Tensioning
- Overload Protection
- Torque Limiting Drives
- Controlled Starts (and stops with a separate brake)

The shaft becomes coupled to the output shaft with electrical excitation.

All shafts have flat at the end.



INCH COMPONENT

Catalog Number	B Shaft O.D. ± .0002	D Dia. ± .015	E Nom.	F ± .03	G ± .02	H ± .02	C Dia. +.000 -0.001	J ± .01	K
* S90MPA-C14D19A	.1872	1.437 1.434	2.88	1.66	.59	.63	*.750	*.60	3 #3-48 1.140 B.C.
S90MPA-C23D31	.3122	2.250	4.40	2.50	1.07	.83	1.125	.08	2x3 #6-32 2.031 B.C.
S90MPA-C28D37	.3745	2.850	5.07	2.80	1.27	1.00	1.125	.09	2x3 #8-32 2.000 B.C.
S90MPA-C34D50	.4995	3.380	5.53	3.38	1.08	1.08	1.375	.08	2x4 #10-32 3.000 B.C.

* For input side see View A, threaded mount holes "K" are at output end only. This assembly is supplied with housing solder terminals with leads attached and with 3 mounting clamps for #4-40 screws on Ø1.72 B.C.

Catalog Number (Ref.)	Torque Range lbf in.	Elect. Power watts	Shaft Inertia lbf in. sec ²	Max. Speed rpm	Mech. Heat Dissipation watts	Max. Overhung Load lbf	Unforced Response msec.	Weight lb.
S90MPA-C14D19A	.06 – 2	3	26 x 10 ⁻⁷	2000	6	4	9	.7
S90MPA-C23D31	.12 – 5	5	13 x 10 ⁻⁶	2000	10	20	18	3.0
S90MPA-C28D37	.4 – 15	6	33 x 10 ⁻⁶	1400	20	35	25	5.0
S90MPA-C34D50	.6 – 35	10	15 x 10 ⁻⁵	1000	30	50	70	9.0

13-29
D820

REV:
4/24/23

