



CREATIVE MOTION CONTROL

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# CPD Series Actuator Application Worksheet

Date  Contact name   
 Company  Contact email   
 Project/Customer Name

Max Stroke (in)  Max Speed  (in/s)  
 Max Load (lbf)  Qty to quote   
 Long-term quantity potential

Brief application description

## Load/Stroke profile for standard operating cycles

**Extension:**  Compression or tension?

load postion	time (sec)	postion (in)	load (lbf)	speed (in/s) (calculated)
1	0.00	0.00	0.0	0.0
2	0.50	0.00	0.0	0.0
3	1.50	0.00	0.0	0.0
4	2.00	0.00	0.0	0.0
5	2.50	0.00	0.0	0.0
6	3.00	0.00	0.0	0.0
7	3.50	0.00	0.0	0.0
8	4.00	0.00	0.0	0.0
9	4.50	0.00	0.0	0.0
10	5.00	0.00	0.0	0.0
11	5.50	0.00	0.0	0.0
12	6.00	0.00	0.0	0.0
13	6.50	0.00	0.0	0.0
14	7.00	0.00	0.0	0.0
15	7.50	0.00	0.0	0.0
16	8.00	0.00	0.0	0.0
17	8.50	0.00	0.0	0.0

notes: Adjust the time column to fit your stroke. Be sure to cover the entire extension travel above and retraction travel below. Load includes the gravitational load (mass of mechanism being moved).

Insert/delete columns as needed.

**Retraction:**

Compression or tension?

load postion	time (sec)	postion (in)	load (lbf)	speed (in/s) (calculated)
1	0.00	0.00	0.0	0.0
2	0.50	0.00	0.0	0.0
3	1.50	0.00	0.0	0.0
4	2.00	0.00	0.0	0.0
5	2.50	0.00	0.0	0.0
6	3.00	0.00	0.0	0.0
7	3.50	0.00	0.0	0.0
8	4.00	0.00	0.0	0.0
9	4.50	0.00	0.0	0.0
10	5.00	0.00	0.0	0.0
11	5.50	0.00	0.0	0.0
12	6.00	0.00	0.0	0.0
13	6.50	0.00	0.0	0.0
14	7.00	0.00	0.0	0.0
15	7.50	0.00	0.0	0.0
16	8.00	0.00	0.0	0.0
17	8.50	0.00	0.0	0.0

Load/Stroke comments:

### Life Requirement

Total # cycles   
or  
cycles/hour   
hours/day   
days/week   
weeks/year   
life req. (yrs)

Mounting:   
Rod End:   
Horizontal orientation  Yes/No   
Gear ratio:   
Motor:

Additional Comments/customizations/special requirements:

\*\*\* Please provide any drawings, CAD files, layouts, images, etc that would help determine the most appropriate solution for your application. Thank you.

**Email completed worksheet to [sales@creativemotioncontrol.com](mailto:sales@creativemotioncontrol.com)**