

Xpac Stroking Time

The stroke or rotation rate specifies the maximum speed of operation for a particular actuator and power module combination. REXA electronics allow the stroking speed to be adjusted from the maximum speed (shown below) to a minimum of 25% of the listed value. Estimated times are calculated at 100% speed setting and 70°F (21°C). Load fluctuations may cause minor variations in travel rate.

XPAC LINEAR

Stroke Rate (seconds per inch stroke)

Thrust lb (N)	Power Module							
	B	C	½D/2C	D	2D	D,P9 ²	D,P40 ²	SF ¹
2 000 (8 896)	6	2	1	0.5	NA	NA	NA	.5
4 000 (17 790)	12	4	2	1	.5	NA	NA	1
5 000 (22 240)	15	5	2.5	1.25	.6	.25	NA	1.25
10 000 (44 480)	30	10	5	2.5	1.25	.5	CF	2.5
15 000 (66 725)	NA	15	7.5	3.75	1.8	.75	CF	CF
20 000 (88 965)	NA	20	10	5	2.5	1	.25	CF
40 000 (177 928)	NA	NA	20	10	5	2	.5	NA ³
60 000 (266 893)	NA	NA	NA	15	7.5	3	.75	NA ³
80 000 (355 858)	NA	NA	NA	20	10	4	1	NA ³
120 000 (533 760)	NA	NA	NA	NA	15	6	1.5	NA ³

XPAC ROTARY & DRIVE

Rotation Rate (seconds per 90 degree rotation)

Torque lb-in (N·m)	Power Module							
	B	C	½D/2C	D	2D	D,P9 ²	D,P40 ²	SF ¹
600 (68)	3.25	1.1	NA	NA	NA	NA	NA	<.5
1 200 (136)	6.5	2.2	1.1	NA	NA	NA	NA	.75
2 500 (282)	13	4.5	2.25	1.1	NA	NA	NA	1.25
5 000 (565)	26	9	4.5	2.25	1.1	NA	NA	2.5
10 000 (1 130)	50	17	8.5	4	2	1	NA	5
20 000 (2 260)	100	34	17	8	4	2	NA	10
50 000 (5 650)	NA	85	43	22	11	4.5	1	NA ³
100 000 (11 300)	NA	NA	85	43	22	8.5	2	40
200 000 (22 597)	NA	NA	NA	85	43	17	4	NA ³
400 000 (45 194)	NA	NA	NA	170	85	34	8	NA ³

¹ SF - Spring Failure. Estimated time is for the standard solenoid and spring. The actual time may vary based upon spring force and temperature. Faster times are available.

² D,P9 and D,P40. Booster pumps provide high speed operation, while maintaining our fine positioning capability. Quoted times are 98% of full travel.

³ For larger Spring Fail options refer to PM21, Accumulator Option.

Mpac Stroking Time

The stroke or rotation rate specifies the speed of operation for a particular actuator and power module combination. Estimated times are calculated at 70°F (21°C). Load fluctuations may cause minor variations in travel rate.

MPAC LINEAR

Stroke Rate (seconds per inch stroke)

Thrust lb (N)	Power Module			
	B	C	2C	SF ¹
2 000 (8 896)	4.5	NA	NA	.5
4 000 (17 790)	9	4	NA	1
10 000 (44 480)	22	8.5	5	2.5
20 000 (88 965)	NA	16	8.5	5

MPAC ROTARY & DRIVE

Rotation Rate (seconds per 90 degree rotation)

Torque lb·in (N·m)	Power Module			
	B	C	2C	SF ¹
600 (68)	2.5	NA	NA	<.5
1 200 (136)	5	NA	NA	.75
2 500 (282)	10	NA	NA	1.25
5 000 (565)	20	7.5	NA	2.5
10 000 (1 130)	40	14	7.5	5
20 000 (2 260)	80	27	14	10
50 000 (5 650)	NA	61	31	20
100 000 (11 300)	NA	121	61	40
200 000 (22 597)	NA	241	121	NA
400 000 (45 194)	NA	480	241	NA

¹ SE - Spring Failure. Estimated time is for the standard solenoid and spring. The actual times may vary based upon spring force and temperature. Faster times are available.