

T5P



Robot ordering method

T5P - 12 - L - BK - 600 - 3L - PRC2

Model - Lead designation - Motor installation direction - Brake - Stroke - Cable length - Controller

Basic specifications

Repeatability (mm) ^{Note 1}	+/-0.02	
Deceleration mechanism	Ball screw	
Ball screw lead (mm)	12	6
Maximum speed (mm/sec) ^{Note 2}	Horizontal	750
	Vertical	600
Maximum payload (kg)	Horizontal	6
	Vertical	1.5
Stroke (mm)	50 to 600 (50 pitch increments)	
Cable length (m)	3.5 (Standard), 5, 10	
Controller	PRC 2	

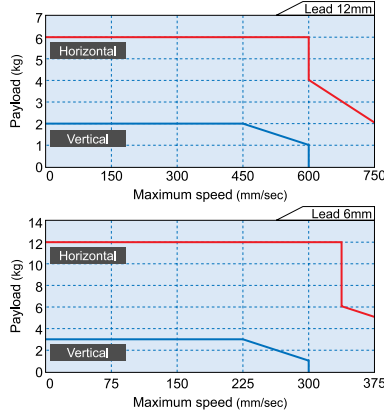
Note 1 : Repeatability for single oscillation.

Note 2 : Please refer to the correlation diagram of speed and payload.

Standard cycle time [Horizontal / Vertical] (sec)

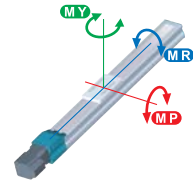
			300mm move	600mm move
Horizontal	Lead 12	2kg	0.64	1.04
		6kg	0.76	1.26
	Lead 6	3kg	1.04	1.84
		12kg	1.18	2.07
Vertical	Lead 12	1kg	0.71	1.21
		1.5kg	0.82	1.49
	Lead 6	1kg	1.18	2.18
		3kg	1.47	2.80

Correlation diagram of speed and payload



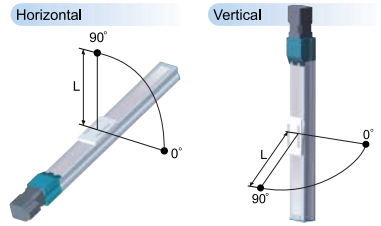
Static loading moment (N·m)

	MY	MP	MR
	10.9	10.0	29.4

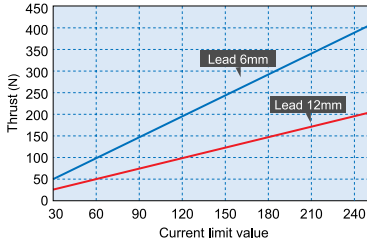


Dynamic loading moment (mm)

			0°	90°
Horizontal	Lead 12	3kg	270	521
		6kg	151	363
	Lead 6	6kg	211	846
		12kg	111	415
Vertical	Lead 12	1.5kg	209	249
	Lead 6	3kg	125	150

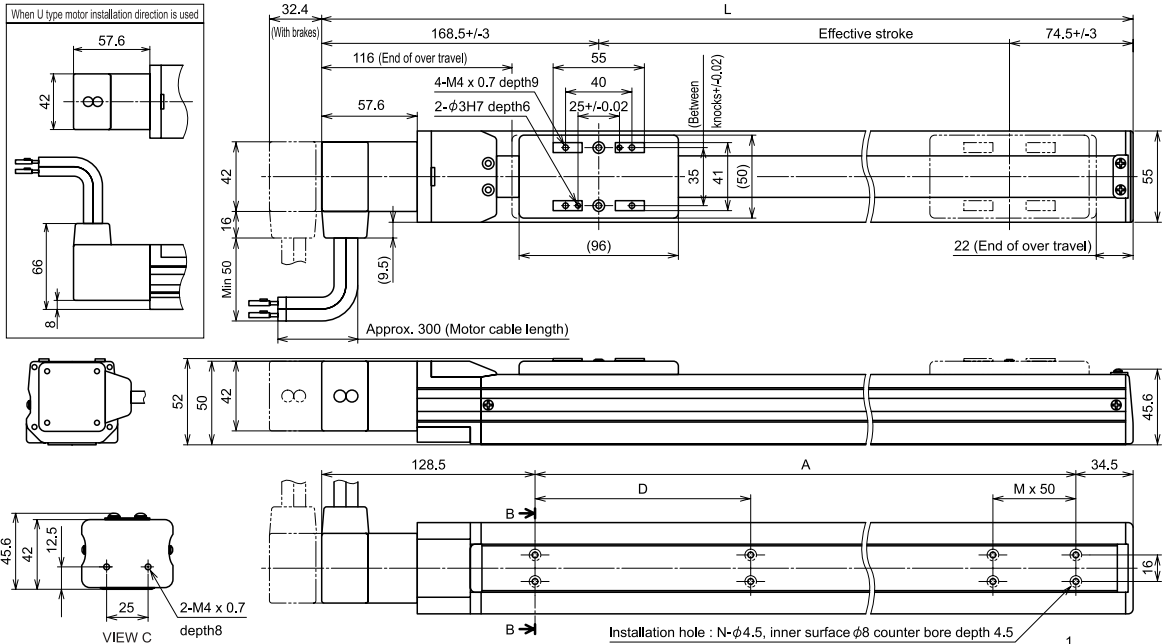


Thrust force



Note 1 : Both lead lengths shown in above chart must not guarantee the precision of the thrust force. Use these data only as a reference.

Note 2 : This chart is available under static pushing status like inserting work.



Effective stroke	50	100	150	200	250	300	350	400	450	500	550	600
L	293	343	393	443	493	543	593	643	693	743	793	843
A	130	180	230	280	330	380	430	480	530	580	630	680
D	-	-	-	-	-	-	230	230	230	230	230	230
M	0	1	2	3	4	5	0	1	2	3	4	5
N	4	6	8	10	12	14	6	8	10	12	14	16
Weight (kg)	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3

