



Robot ordering method

T4P - 12 - 300 - 3L - PRC1

Model - Lead designation - Stroke - Cable length - Controller

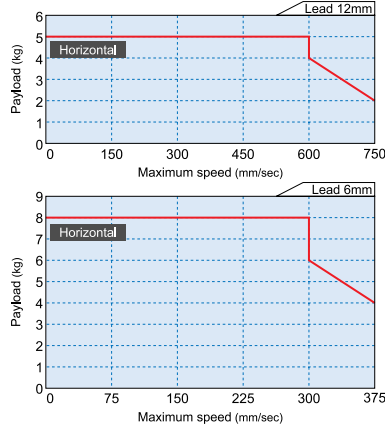
Basic specifications

Repeatability (mm) ^{Note 1}	+/-0.02	
Deceleration mechanism	Ball screw	
Ball screw lead (mm)	12	6
Maximum speed (mm/sec) ^{Note 2}	750	375
Maximum payload(kg)	Horizontal	5
	Vertical	-
Stroke (mm)	50 to 300 (50 pitch increments)	
Cable length (m)	3.5 (Standard), 5, 10	
Controller	PRC 1	

Note 1 : Repeatability for single oscillation.

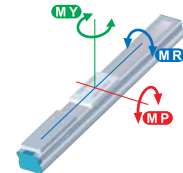
Note 2 : Please refer to the correlation diagram of speed and payload.

Correlation diagram of speed and payload



Static loading moment (N·m)

MY	MP	MR
6.2	5.7	15.9



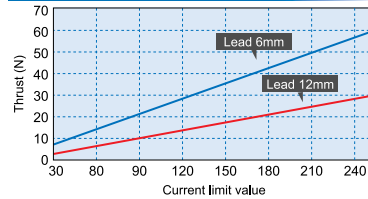
Dynamic loading moment (mm)

			0°	90°
Horizontal	Lead 12	2kg	192	344
		5kg	87	188
	Lead 6	4kg	151	340
		8kg	87	301

Standard cycle time [Horizontal] (sec)

			300mm move
Horizontal	Lead 12	2kg	0.67
		5kg	0.89
	Lead 6	3kg	0.99
		8kg	1.34

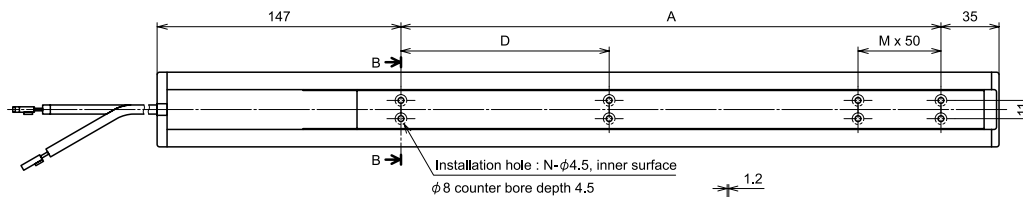
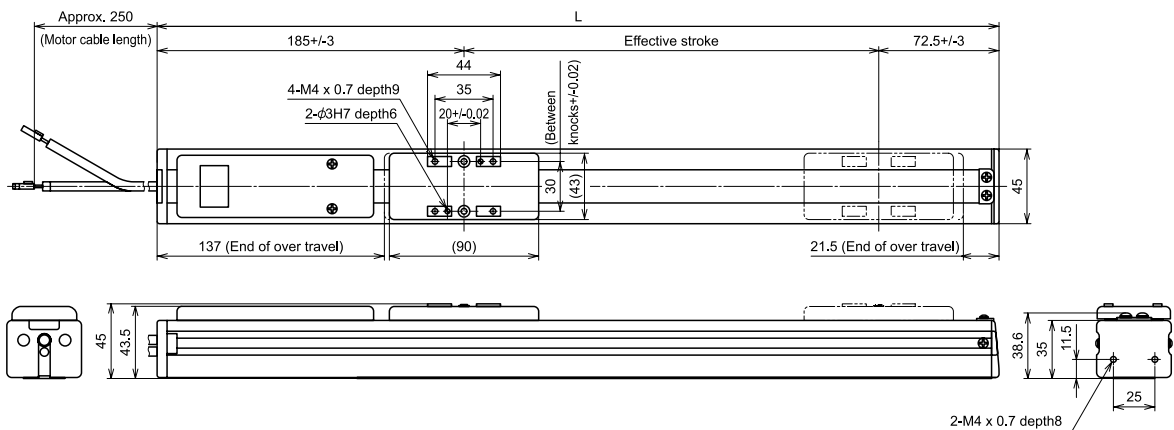
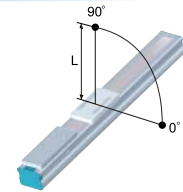
Thrust force



Note 1 : Both lead lengths showed 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.

Horizontal



Effective stroke	50	100	150	200	250	300
L	307.5	357.5	407.5	457.5	507.5	557.5
A	125.5	175.5	225.5	275.5	325.5	375.5
D	-	-	-	-	125.5	125.5
M	0	1	2	3	0	1
N	4	6	8	10	6	8
Weight(kg)	1.2	1.3	1.4	1.5	1.6	1.7

Note : Use M4 x 0.7 hexagonal socket bolts with 12mm or less nominal length for installation of the single axis robot.

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