T4

Standard **Origin at opposite of motor**

Robot ordering method

T4 - 12 - BK - 300 - 3L - ERCX - E[Note] - [Note] - B

Model	Lead designation	Brake	Stroke	Cable length	Applicable controller	Usable for CE	Network option	Battery
	12 : 12mm 6 : 6mm 2 : 2mm	No entry : No brakes BK : Brakes provided	50 to 300 (50mm pitch)	3L : 3.5m (Standard) 5L : 5m 10L : 10m	ERCX ERCD	No entry : Standard E : CE specification	No entry : None CC : CC-Link DN : DeviceNet PB : Profibus EN : Ethernet	B1 : 700mAh B2 : 2000mAh

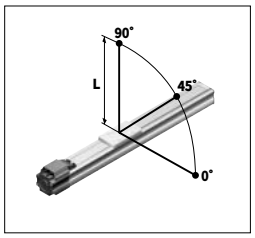
Note : It will be a customer's choice.

Basic specifications

AC servo motor output (W)		30		
Repeatability (mm) Note		+/-0.02		
Deceleration mechanism		Ball screw (Class C10)		
Ball screw lead (mm)		12	6	2
Maximum speed (mm/sec)		720	360	120
Maximum payload (kg)	Horizontal	4.5	6	6
	Vertical	1.2	2.4	7.2
Rated thrust (N)		32	64	153
Stroke (mm)		50 to 300 (50 pitch)		
Cable length (m)		3.5 (Standard) , 5, 10		
Controller	Horizontal	ERCX, ERCD		
	Vertical	ERCX, ERCD		

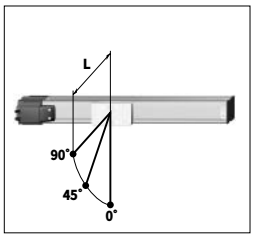
Note : Repeatability for single oscillation.

Tolerable overhang amount Note



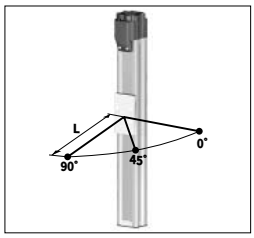
During horizontal use (Unit : mm)

		0 °	45 °	90 °
Lead 12	2kg	140	165	250
	4.5kg	65	85	130
Lead 6	3kg	220	235	450
	6kg	90	130	180
Lead 2	3kg	220	305	750
	6kg	115	160	500



During wall installation use (Unit : mm)

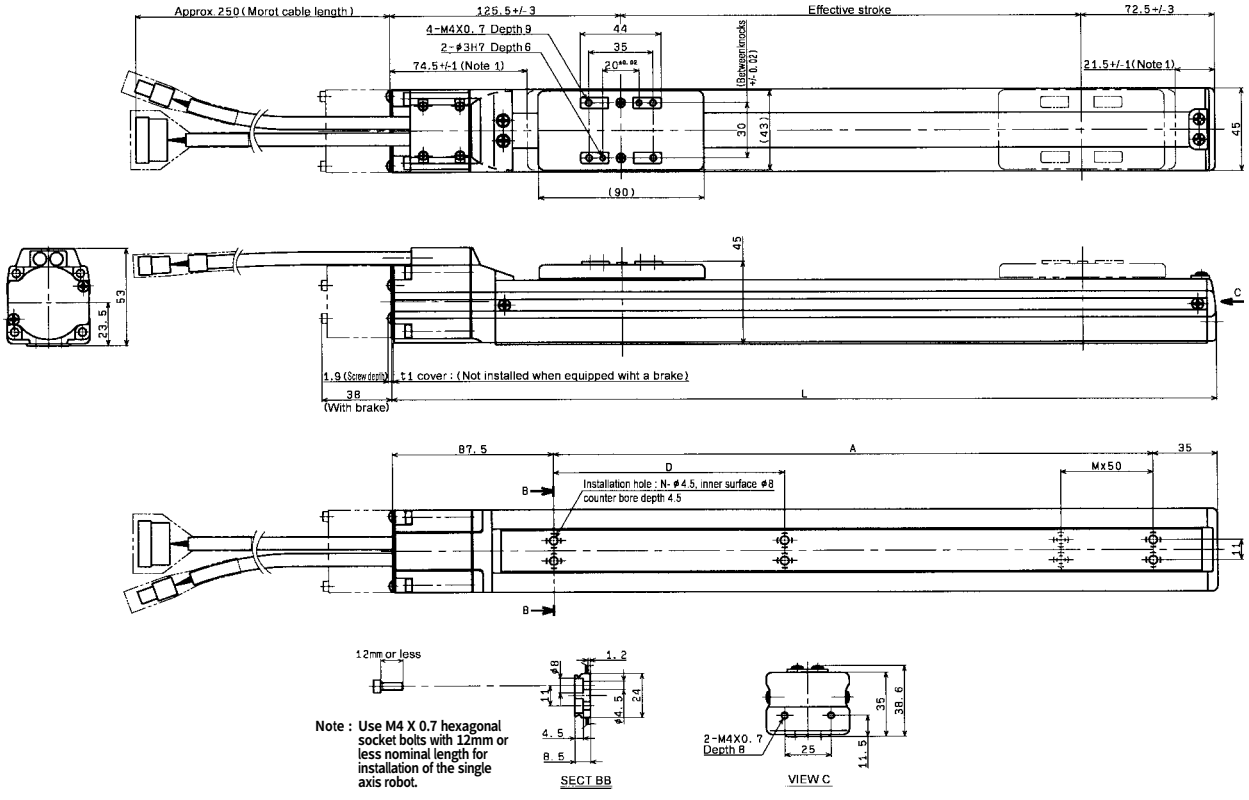
		0 °	45 °	90 °
Lead 12	2kg	200	140	110
	4.5kg	100	50	50
Lead 6	3kg	360	185	150
	6kg	140	70	55
Lead 2	3kg	600	240	170
	6kg	400	80	60



During vertical use (Unit : mm)

		0 °	45 °	90 °
Lead 12	1.2kg	100	75	115
Lead 6	2.4kg	60	45	70
Lead 2	3kg	45	35	55
	7.2kg	8	6	10

Note : Distance from center of slider top to center of gravity of object being transported.



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

Effective stroke	50	100	150	200	250	300
L	248	298	348	398	448	498
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)(Note 3)	1.1	1.2	1.3	1.4	1.5	1.6

Note 1 : Length from both ends to mechanical stopper position.
Note 2 : The minimum bend radius of the motor cable is R50.
Note 3 : This is the weight of the model without a brake.
The weight of the model equipped with a brake is 0.2kg heavier than this value.