

T7

Standard Origin at opposite of motor

Robot ordering method

T7 - 12 - BK - 550 - 3L - SR1-X - 05 - E^{Note 1} - N - B^{Note 1}

Model	Lead designation	Brake	Stroke	Cable length	Applicable controller	Driver	Usable for CE	Inputs/Outputs selection	Battery
		No entry : No brakes BK : Brakes provided	150 to 550 (100mm pitch)	3L : 3.5m (Standard) 5L : 5m 10L : 10m	SR1-X RDX (see page 52)	05 : 100W or less 10 : 200W 20 : 400 to 600W	No entry : Standard E : CE specification	N : NPN P : PNP CC : CC-Link DN : DeviceNet PB : Profibus YC : YC-Link Note 2	No entry : None (Incremental specification) B : Battery (Absolute specification)

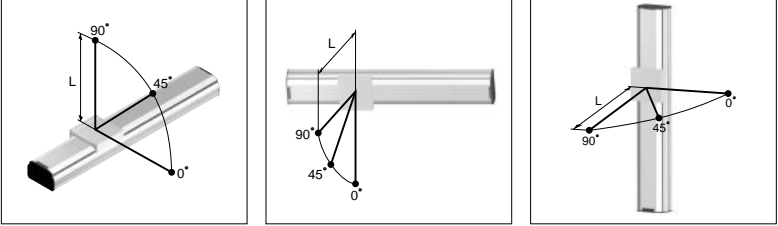
Note 1 : It will be a customer's choice.
Note 2 : Available only for the slave.

Basic specifications

AC servo motor output(W)	60	
Repeatability(mm) ^{Note}	+/-0.02	
Deceleration mechanism	Ball screw(Class C10)	
Ball screw lead(mm)	12	
Maximum speed(mm/sec)	600	
Maximum payload(kg)	Horizontal	8
	Vertical	3
Rated thrust(N)	78	
Stroke(mm)	150 to 550(100 pitch)	
Cable length(m)	3.5(Standard), 5, 10	
Controller	Horizontal	SR1-X-05
	Vertical	SR1-X-05
Robot driver	Horizontal	RDX-05
	Vertical	RDX-05

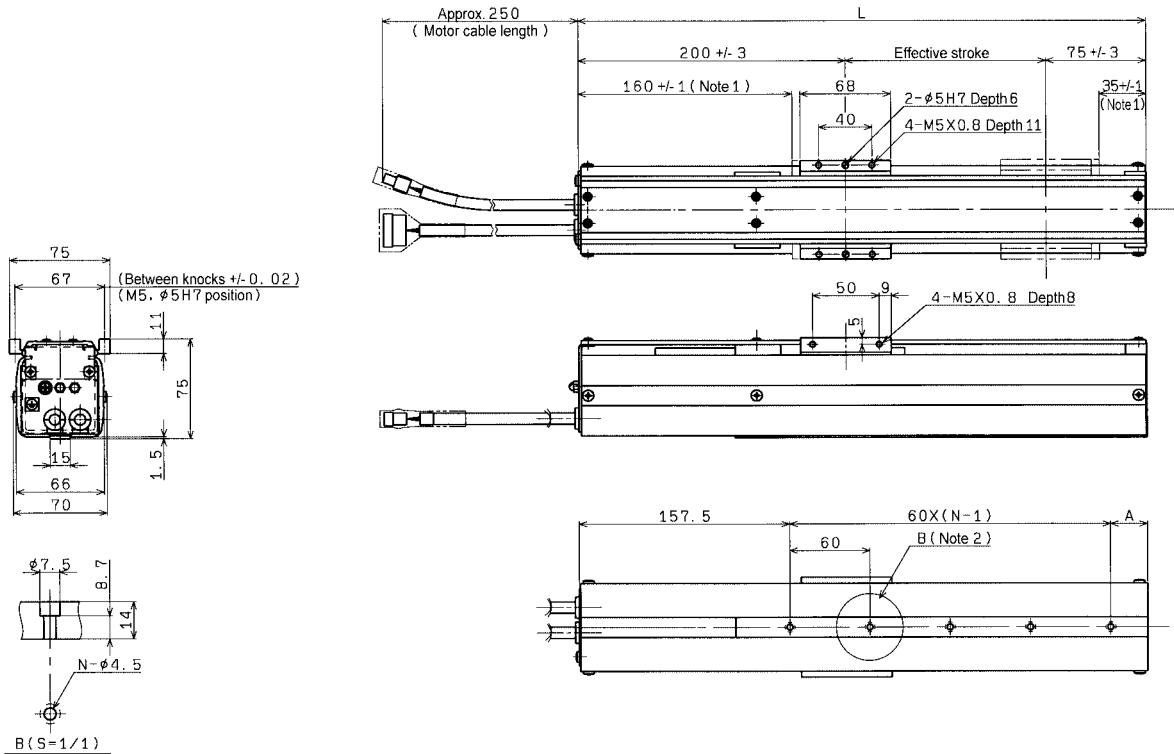
Note : Repeatability for single oscillation.

Tolerable overhang amount^{Note}



During horizontal use (Unit : mm)		During wall installation use (Unit : mm)		During vertical use (Unit : mm)					
	0°	45°	90°		0°	45°	90°		
Lead 12	3kg	206	245	813	Lead 12	3kg	317	123	109
	5kg	118	141	504		5kg	146	47	40
	8kg	68	83	344		8kg	0	0	0
Lead 12	1kg	807	570	807	Lead 12	1kg	807	570	807
	2kg	369	261	369		2kg	369	261	369
	3kg	224	158	224		3kg	224	158	224

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



Effective stroke	150	250	350	450	550
L	425	525	625	725	825
A	27.5	67.5	47.5	27.5	67.5
N	5	6	8	10	11
Weight(kg)(Note 4)	3.0	3.4	3.8	4.2	4.5

Note 1 : Length from both ends to mechanical stopper position.

Note 2 : No washer or the like should be used for the 7.5 counter bore when installing the main unit.

Note 3 : The minimum bend radius of the motor cable is R50.

Note 4 : 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.

Note 5 : As the carriage is made of extracted aluminum, its width dimension may slightly differ from the value above.