T4H

Origin at non-motor side

Ordering method

T4H - [ ] - [ ] - [ ] - [ ] - [ ] - **SR1-X** - **05** - [ ] - [ ] - [ ]

Model	Lead	Brake	Option	Stroke	Cable length Note 1	Controller	Driver	Usable for CE	I/O selection	Battery
	12: 12mm 6: 6mm 2: 2mm	No entry: No brakes BK: Brakes provided	Origin position change: None: Standard / Z: Non-motor side Grease type: None: Standard / GC: Clean	50 to 300 (50mm pitch)	3L: 3.5m (Standard) 5L: 5m 10L: 10m 3K/5K/10K Note 1	SR1-X TS-X Note 2 RDX Note 2	05: 100W or less	No entry: Standard E: CE marking	N: NPN P: PNP CC: CC-Link DN: DeviceNet PB: Profibus YC: YC-Link Note 3	No entry: None (Incremental specification) B: Battery (Absolute specification)

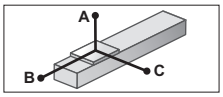
Note 1. The robot cable is standard cable, but can be changed to bend-resistant cable. See P.423 for details on robot cable.
Note 2. To find TS-X, RDX selection options, see the ordering method listed on each controller's page (TS-X: P.355, RDX: P.365).
Note 3. Available only for the slave.

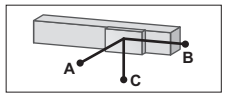
Specifications

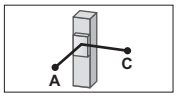
AC servo motor output (W)		30		
Repeatability Note 1 (mm)		+/-0.02		
Deceleration mechanism		Ball screw (Class C10)		
Ball screw lead (mm)		12	6	2
Maximum speed (mm/sec)		720	360	120
Maximum payload (kg)	Horizontal	4.5	6	6
	Vertical	1.2	2.4	7.2
Rated thrust (N)		32	64	153
Stroke (mm)		50 to 300 (50mm pitch)		
Overall length (mm)	Horizontal	Stroke+198		
	Vertical	Stroke+236		
Maximum dimensions of cross section of main unit (mm)		W45 × H53		
Cable length (m)		Standard: 3.5 / Option: 5,10		
Linear guide type		2 rows of gothic arch grooves × 1 rail		
Position detector		Resolvers Note 2		
Resolution (Pulse/rotation)		16384		

Note 1. Positioning repeatability in one direction.
Note 2. Position detectors (resolvers) are common to incremental and absolute specifications. If the controller has a backup function then it will be absolute specifications.

Allowable overhang Note







Horizontal installation (Unit: mm)

		A	B	C
Lead 12	2kg	433	87	180
	4.5kg	223	33	75
Lead 6	3kg	515	58	135
	6kg	340	26	62
Lead 2	3kg	1585	58	142
	6kg	755	27	66

Wall installation (Unit: mm)

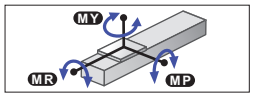
		A	B	C
Lead 12	2kg	149	54	376
	4.5kg	50	1	148
Lead 6	3kg	107	24	380
	6kg	31	0	195
Lead 2	3kg	113	24	1180
	6kg	32	0	440

Vertical installation (Unit: mm)

		A	C
Lead 12	1.2kg	125	125
Lead 6	2.4kg	56	57
Lead 2	3kg	41	42
	7.2kg	0	0

Note. Distance from center of slider top to center of gravity of object being carried at a guide service life of 10,000 km.

Static loading moment



(Unit: N·m)

MY	MP	MR
15	19	18

Controller

Controller	Operation method
SR1-X-05	Programming / I/O point trace / Remote command / Operation using RS-232C communication
TS-X205	I/O point trace
RDX-05	Pulse train control

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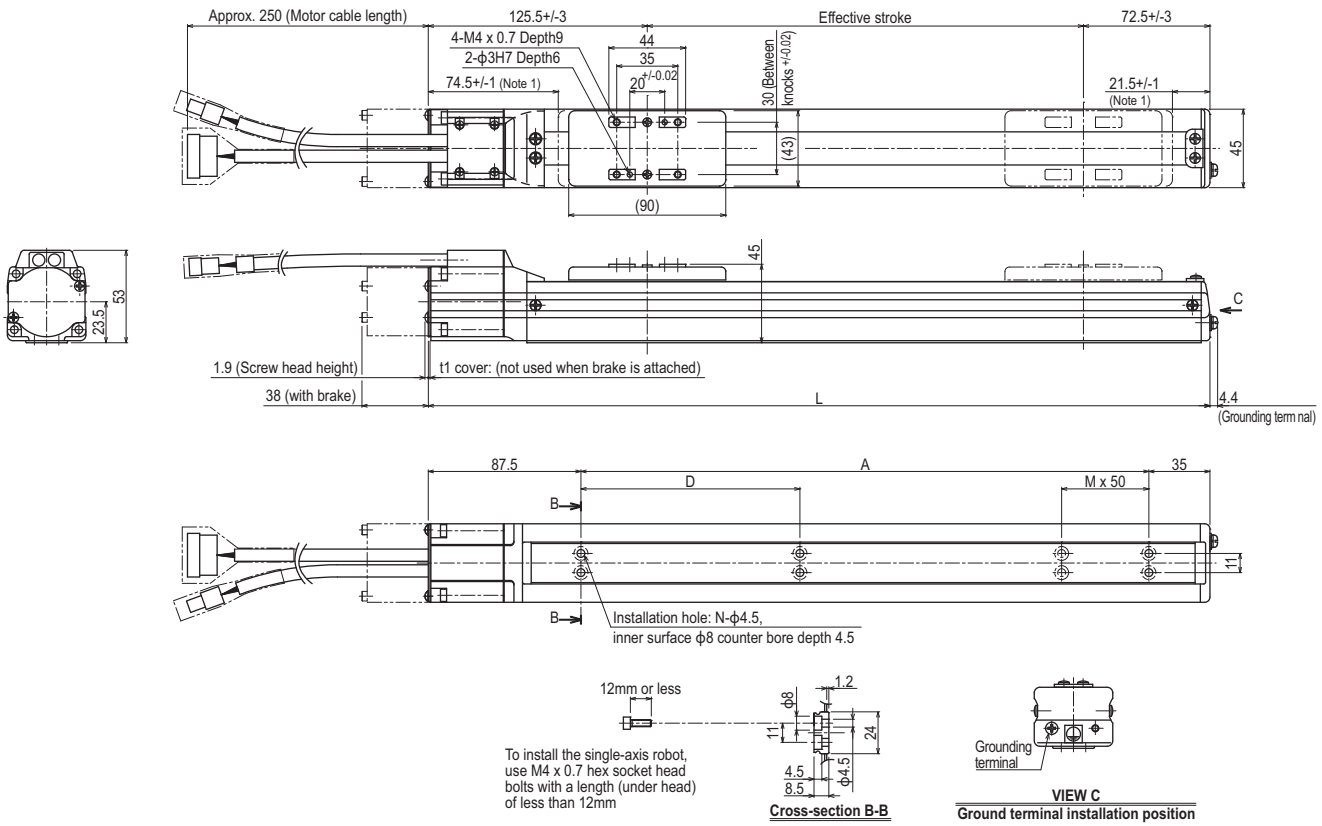

Cross-section B-B

VIEW C
Ground terminal installation position

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. Distance from both ends to the mechanical stopper.
Note 2. Minimum bend radius of motor cable is R50.
Note 3. Weight of models with no brake. The weight of brake-attached models is 0.2 kg heavier than the models with no brake shown in the table.