

Note 1. The robot cable is flexible and resists bending. See P.614 for details on robot cable.

= 0 :::	41					
■ Specific	ations					
AC servo motor	output (W)		30			
Repeatability Not	^{e 1} (mm)		+/-0.02			
Deceleration me	echanism	Ba	all screw of	р 8		
Ball screw lead	(mm)	12	6	2		
Maximum speed	d (mm/sec)	720	360	120		
Maximum	Horizontal	4.5	6	6		
payload (kg)	Vertical	1.2	2.4	7.2		
Rated thrust (N))	32	64	153		
Stroke (mm)		50 to 400 (50mm pitch)				
Overall length	Horizontal	S	Stroke+19	8		
(mm)	Vertical	Stroke+236				
Maximum dimens section of main ur		W45 × H53				
Cable length (m)	Standard	3.5 / Opti	on: 1,5,10		
Linear guide typ	ое	2 rows of gothic arch grooves × 1 rail				
Position detect	or	Resolvers Note 2				
Resolution (Pul	se/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 overr	nang "
A	
_ C	A

в с

87 180

26 62

58 142

27 66

В

Lead 6 Lead 12

Horizontal installation

2kg 433

4.5kg 223 33

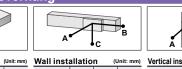
3kg 515 58 135

6kg 340

3kg 1585

6kg 755

Α



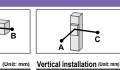
A B C

0 195

0 440

50

32



Α

125

56

41

0 0

Lead 12

Lead 6

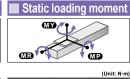
148

1.2ka

2.4kg

3kg

7.2ka



, , ,	
С	MY
405	15
125	
	C
57	
	Contr
42	

MR 19 18 ontroller

oller Operation method Pulse train control / Programming / I/O point trace / ERCD Remote command / Operation using RS-232C communication

6ka Note. Distance from center of slider top to center of gravity of object being carried at a guide service life of 10,000 km.

2kg 149 54 376

4.5kg

3kg 107 24 380

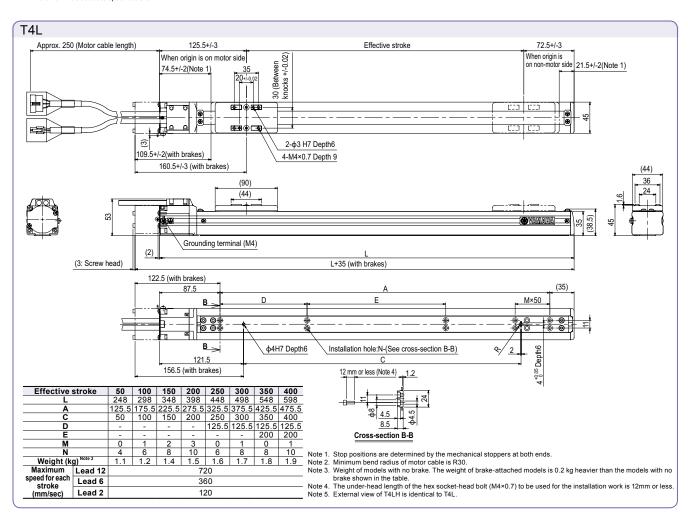
6kg 31

3kg 113 24 1180

Note. Service life is calculated for 300mm stroke models.

Lead 12

75



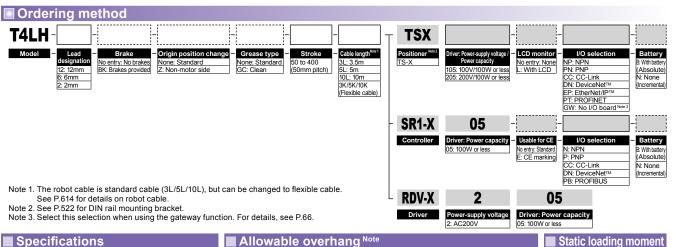
Controller

(Unit: N·m)

MR

18

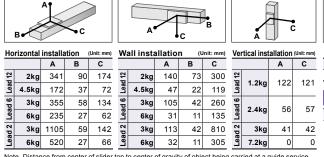




■ Specifications								
AC servo motor	output (W)	30						
Repeatability Not	e 1 (mm)		+/-0.02					
Deceleration me	echanism	Ва	all screw of	þ8				
Ball screw lead	(mm)	12	6	2				
Maximum speed	d (mm/sec)	720	360	120				
Maximum	Horizontal	4.5	6	6				
payload (kg)	Vertical	1.2	2.4	7.2				
Rated thrust (N))	32	64	153				
Stroke (mm)		50 to 400 (50mm pitch)						
Overall length	Horizontal	S	Stroke+19	8				
(mm)	Vertical	S	Stroke+23	6				
Maximum dimens section of main ur		W45 × H53						
Cable length (m)	Standard	l: 3.5 / Op	tion: 5,10				
Linear guide typ	ое	2 rows of gothic arch grooves × 1 rail						
Position detect	or	Resolvers Note 2						
Resolution (Pul	se/rotation)		16384					

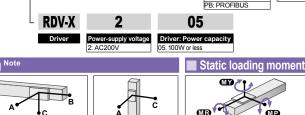
Note 1. Positioning repeatability in one direction.

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.



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

Note. Service life is calculated for 300mm stroke models



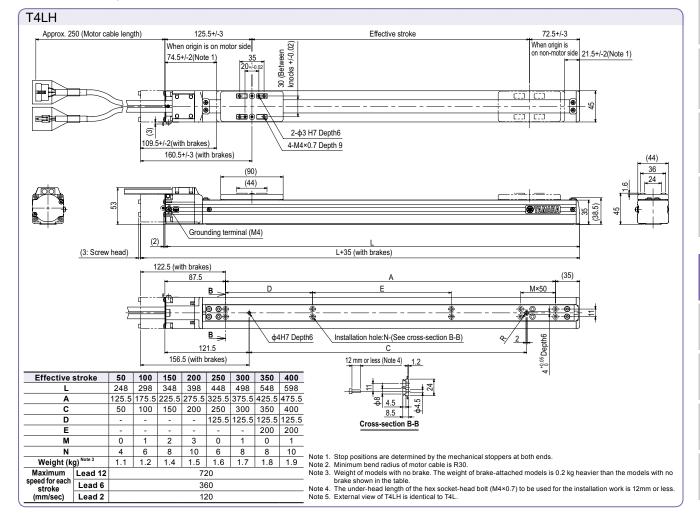
. 1									
_	■ Controller								
7	Controller	Operation method							
0	SR1-X05 RCX320 RCX221/222 RCX340	Programming / I/O point trace / Remote command / Operation using RS-232C communication							
	TS-X105	I/O point trace /							
	TS-X205	Remote command							
	RDV-X205	Pulse train control							

MP

19

MY

15



■ Ordering method **ERCD** Brake Note 1 — Origin position change — Grease type — Cable length Note 2 I/O connector specification None: Standard GC: Clean CN1: I/O flat cable 1m (Standard) CN2: Twisted-pair cable 2m (pulse train function) No entry: No brakes BK: Brakes provided None: Standard Z: Non-motor side 1K: 1m 3K: 3.5m 20: 20mm 12: 12mm 6: 6mm (50mm pitch) 10K: 10m

● High lead: Lead 20 ● Origin on the non-motor side is selectable

Note 1. The model with a lead of 20mm cannot select specifications with brake (vertical specifications).

Note 2. The robot cable is flexible and resists bending. See P.614 for details on robot cable.

Controller: 24V

■ Specifications							
AC servo motor	output (W)	30					
Repeatability Not	e 1 (mm)		+/-0.02				
Deceleration me	echanism	Ва	II screw ¢	12			
Ball screw lead		20	12	6			
Maximum speed ^N	ote 2 (mm/sec)	1200	800	400			
Maximum	Horizontal	3	5	9			
payload (kg)	Vertical	-	1.2	2.4			
Rated thrust (N))	19	32	64			
Stroke (mm)		50 to 800 (50mm pitch)					
Overall length	Horizontal	Stroke+201.5					
(mm)	Vertical	St	roke+239	.5			
Maximum dimens section of main ur		W55×H52					
Cable length (m)	Standard	3.5 / Opti	on: 1,5,10			
Linear guide typ	oe .	2 rows of gothic arch grooves × 1 rail					
Position detector	or	Resolvers Note 3					
Resolution (Puls	se/rotation)	16384					
Note 1. Positioning r	epeatability in o	ne direction					

Note 2. When the stroke is longer than 600mm, resonance of the ball screw may occur depending on the operation conditions (critical speed). In this case, reduce the speed setting on the program by referring to the maximum speeds shown in the

table below.

Note 3. Position detectors (resolvers) are common to incremental and absolute specifications. If the controller has a backup function then it will be absolute specifications.

	Allowable overnang Note													Static I	oading	mom	
A A C							Α'	1	c	B		A		?			MP
	Ho	rizontal	installa	tion	(Unit: mm)	Wa	all insta	allatio	n (u	Jnit: mm)	Ver	tical inst	allation	(Unit: mm)			(Unit
			Α	В	С			Α	В	С	П		Α	С	MY	MP	MF
	Lead 20	1kg	600	323	683	120	1kg	600	291	600	112	4.01	040	040	30	34	40
	Lead	3kg	675	103	247	Lead	3kg	215	73	589	Lead	1.2kg	242	240			
	17	2kg	1170	159	406	112	2kg	368	127	1082	ead 6	.		113	Contr	oller	
	Lead 12	5kg	555	59	155	Leac	5kg	127	30	449	Lea	2.4kg	2.4kg 113		Controller	Operation	on met
	9	3kg	1498	104	294	9	3kg	263	73	970	_					Pulse tra	in cont

Note. Distance from center of slider top to center of g life of 10,000 km.

9kg

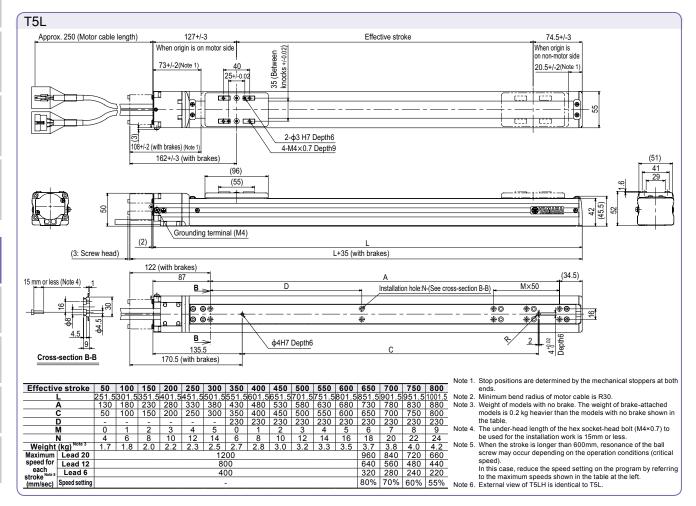
Note. Service life is calculated for 600mm stroke mo

31 89

9kg 628

Lead

					Ctatio loading moment					
	c	B		Ā		•				
atio	ո (և	Jnit: mm)	Ver	rtical inst	tallation	(Unit: mm)			(Unit: N·m)	
Α	В	С	П		Α	С	MY	MP	MR	
600	291	600	12		0.40	242 240	30	34	40	
215	73	589	Lead 12	1.2kg	242					
368	127	1082					Cont	ontroller		
127	30	449	Lead 6	2.4kg	113	13 113	Controlle	r Operation	on method	
263	73	970	_						nin control /	
54	0	400					Programming / I/O point trace /			
gravit dels.	y of obj	ect being	car	ried at a	ERCD Remote command Operation using RS-232C communication					

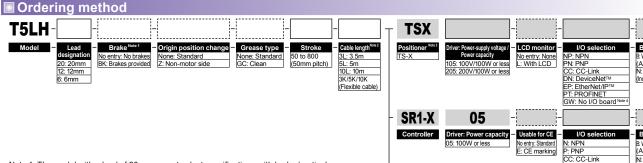


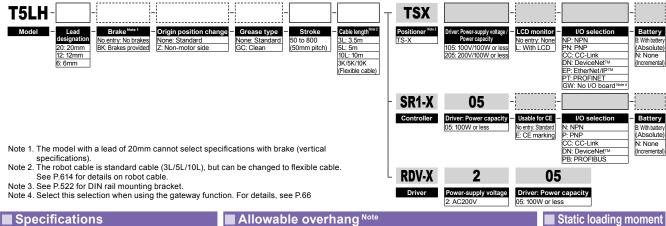
(Unit: N·m)

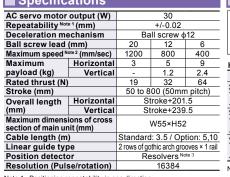
MR

40





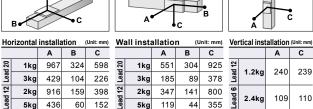




Note 1. Positioning repeatability in one direction.

Note 2. When the stroke is longer than 600mm, resonance of the ball screw may occur depending on the operation conditions (critical speed). In this case, reduce the speed setting on the program by referring to the maximum speeds shown in the

Note 3. Position detectors (resolvers) are common to incremental and absolute specifications. If the controller has a backup function then it will be absolute specifications.



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

50 15 385

3kg 259 87 950

9ka

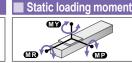
Note. Service life is calculated for 600mm stroke models

3kg 1194 105 294

9ka

624

31 89



MY

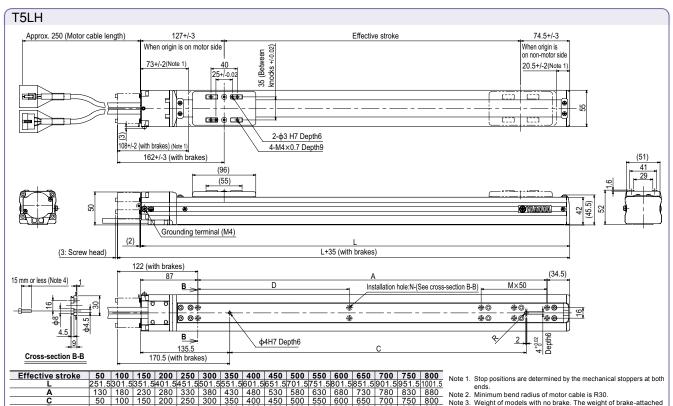
30

oller					
Operation method					
Programming / I/O point trace / Remote command / Operation using RS-232C communication					

MP

TS-X105 I/O point trace / Remote command TS-X205

Pulse train control RDV-X205



			-	- 1	70.5 (WI	ilii biak	cs)											
Effective		50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	No
L	•	251.5	301.5	351.5	401.5	451.5	501.5	551.5	601.5	651.5	701.5	751.5	801.5	851.5	901.5	951.5	1001.5	140
		130	180	230	280	330	380	430	480	530	580	630	680	730	780	830	880	No
	;	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	No
)	-	-	-	-	-	-	230	230	230	230	230	230	230	230	230	230	
- N	1	0	1	2	3	4	5	0	1	2	3	4	5	6	7	8	9	
N	l	4	6	8	10	12	14	6	8	10	12	14	16	18	20	22	24	No
Weight	(kg) Note 3	1.7	1.8	2.0	2.2	2.3	2.5	2.7	2.8	3.0	3.2	3.3	3.5	3.7	3.8	4.0	4.2	
Maximum	Lead 20						12	00						960	840	720	660	No
speed for each	Lead 12		800								640	560	480	440				
stroke Note 5	Lead 6		400									320	280	240	220			
(mm/sec)	Speed setting							-						80%	70%	60%	55%	No

- erius.

 Jote 2. Minimum bend radius of motor cable is R30.

 Jote 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.
- The under-head length of the hex socket-head bolt (M4×0.7)
- Note 4. The under-head length of the hex socket-head bolt (M4×0./) to be used for the installation work is 15mm or less.

 Note 5. When the stroke is longer than 600mm, resonance of the ball screw may occur depending on the operation conditions (critical speed).

 In this case, reduce the speed setting on the program by
- referring to the maximum speeds shown in the table at the left Note 6. External view of T5LH is identical to T5L.

● High lead: Lead 20 ● Origin on the non-motor side is selectable Controller: 100V / 200V

Ordering method T6L TSX Cable length^{Note 2} Positioner Note 3 Battery LCD monitor I/O selection No entry: No brakes BK: Brakes provided None: Standard Z: Non-motor side 3L: 3.5m With batt No entry: None L: With LCD 20: 20mm 12: 12mm (50mm pitch) (Absolute) N: None 105: 100V/100W or less 205: 200V/100W or less 3K/5K/10K (Incremental (Flexible cable) EP: EtherNet/IF PT: PROFINET GW: No I/O board SR1-X 05 Usable for CE I/O selection Battery (Absolute Note 1. The model with a lead of 20mm cannot select specifications with brake (vertical specifications).

Note 2. The robot cable is standard cable (3L/5L/10L), but can be changed to flexible cable. RDV-X 2 05 RBR1 See P.614 for details on robot cable. Note 3. See P.522 for DIN rail mounting bracket. Driver: Power capacity - Regenerative unit

Allowable overhang Note

694

159

10kg 374 33 109

73 236

0

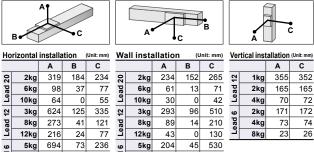
Specifications AC servo motor output (W) Repeatability Note 1 (mm) 60 +/-0.02 **Deceleration mechanism** Ball screw \$12 Ball screw lead (mm) Maximum speed^b 2 (mm/sec) 1333 800 400 Maximum Horizontal 10 12 30 payload (kg) Rated thrust (N) Vertical 51 85 170 50 to 800 (50mm pitch) Stroke (mm) Horizontal Stroke+247 Overall length (mm) Vertical Stroke+285.5 Maximum dimens W65×H56 section of main unit (mm)
Cable length (m) Standard: 3.5 / Option: 5,10 Linear guide type 2 rows of gothic arch grooves × 1 rail Position detector Resolution (Pulse/rotation) Resolvers

Note 4. Select this selection when using the gateway function. For details, see P.66.

Note 1. Positioning repeatability in one direction

Positioning repeatability in one direction. When the stroke is longer than 600mm, resonance of the ball screw may occur depending on the operation conditions (critical speed). In this case, reduce the speed setting on the program by referring to the maximum speeds shown in the table below. Position detectors (resolvers) are common to incremental and absolute specifications. If the controller has a backup function then it will be absolute specifications.

Note 3.



30kg 30kg 25 Note. Distance from center of slider top to center of gravity of object being carried at a guide service life of 10,000 km

72

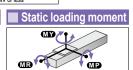
0 0 0

0 245

Note. Service life is calculated for 600mm stroke models

5kg 204 45 530

10kg



MP

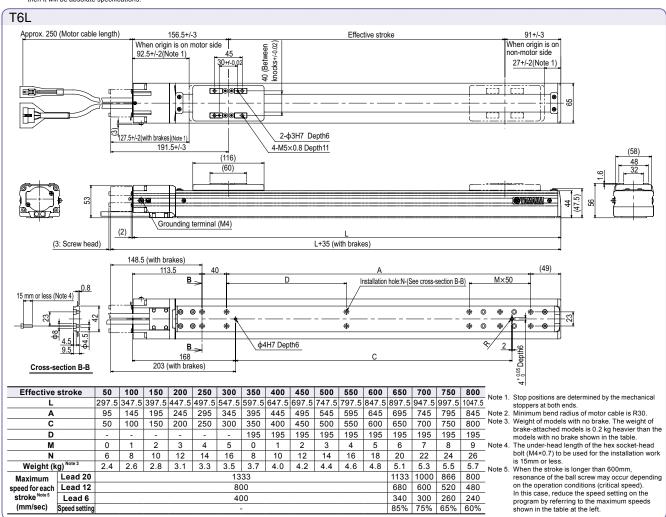
(Unit: N·m)

MR

აა		40	50						
■ Controller									
Controlle		> 41	4ll						
Controlle	r	operation	on method						
SR1-X05 RCX320 RCX221/22 RCX340	2 (Program /O point Remote Operation using RS commun	trace / command /						

MY

TS-X105 I/O point trace / Remote command TS-X205 RDV-X205-RBR1 Pulse train control

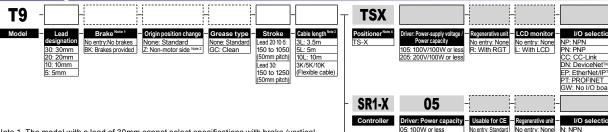


......



Note. Strokes longer than 1050mm are special order items. Please consult us for delivery time





- Note 1. The model with a lead of 30mm cannot select specifications with brake (vertical specifications).

 Note 2. If selecting 5mm lead specifications then the origin point cannot be changed to the
- non-motor side.

 Note 3. The robot cable is standard cable (3L/5L/10L), but can be changed to flexible cable
- See P.614 for details on robot cable.

 Note 4. See P.522 for DIN rail mounting bracket.
- Note 5. Select this selection when using the gateway function. For details, see P.66.

-	TSX	-	 	_	-
	Positioner Note 4 TS-X	Driver: Power-supply voltage / – Power capacity 105: 100V/100W or less 205: 200V/100W or less	Regenerative unit – LCD monitor No entry: None R: With RGT L: With LCD		B: With battery (Absolute) N: None (Incremental)
	- SR1-X	05	-	_	-
	Controller	Driver: Power capacity - 05: 100W or less	Usable for CE — Regenerative unit No entry: Standard E: CE marking R: With RG1		Battery B: With battery (Absolute) N: None (Incremental)
	- RDV-X	2	05	- RBR1	
	Driver	Power-supply voltage 2: AC200V	Driver: Power capacity 05: 100W or less	 Regenerative unit 	ı

Specifications								
AC servo motor	output (W)	100						
Repeatability Not	e 1 (mm)		+/-0	0.01				
Deceleration me	echanism		Ball scr	ew ф15				
Ball screw lead		30	20	10	5			
Maximum speed ^N	ote 2 (mm/sec)	1800	1200	600	300			
Maximum	Horizontal	15	30	55	80			
payload (kg)	payload (kg) Vertical				20	Ho)	
Rated thrust (N)		56	84	169	339			
Stroke (mm)		150 to 1250 Note 3 (50mm pitch)						
Overall length	Horizontal	Stroke+259						
(mm)	Vertical			Lead 30	ļ			
	Maximum dimensions of cross section of main unit (mm)					ead 20	ŀ	
Cable length (m	Standard: 3.5 / Option: 5,10							
Linear guide typ	4 rows of circular arc grooves × 1 rail							
Position detected	Resolvers Note 4							
Resolution (Puls	se/rotation)		163	384		d 10	ŀ	

- Note 1. Positioning repeatability in one direction.
- Positioning repeatability in one direction. When the stroke is longer than 700mm, resonance of the ball screw may occur depending on the operation conditions (critical speed). In this case, reduce the speed setting on the program by referring to the maximum speeds shown in the table below. Strokes longer than 1050mm are available only for high lead (Lead 30). (Special order item)
 Position detectors (resolvers) are common to incremental and absolute specifications. If the controller has a backup function then it will be absolute specifications. Note 2.

B C C	A
Horizontal installation (Unit: mm)	Wall installation

Α В

572 158 151

722

5kg 864 501 383

15kg 491 156 140

5kg 1292

15ka

30kg 455 73 75

20kg 617 119 127 10 10kg 193 132 91

40kg 422 53 59

55kg 420 36 40

50ka

60ka 657 С

505 462

33 37



Α

92 42

> 0 0 6

53 0 40

197 133

54

5kg 348 384 77

15kg 87 40 30

5kg 416 388 118

15ka Lead

30kg

20kg

30kg

10ka

20kg

Lead

20

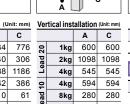
47 42

в с

0 10

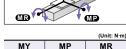
0 98

236



С			Α	С	
776	20	1kg	600	600	Ī
306	Lead	2kg	1098	1098	Ī
1186	اد	4kg	545	545	L
386	10	4kg	594	594	-
61	Lead,	8kg	280	280	-
910	اد	10kg	217	217	
400	2	10kg	221	221	i
109	Lead	15kg	135	135	-
2360	ت	20kg	92	92	-
985					- 3
427					I

80kg 577 23 25 30kg 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

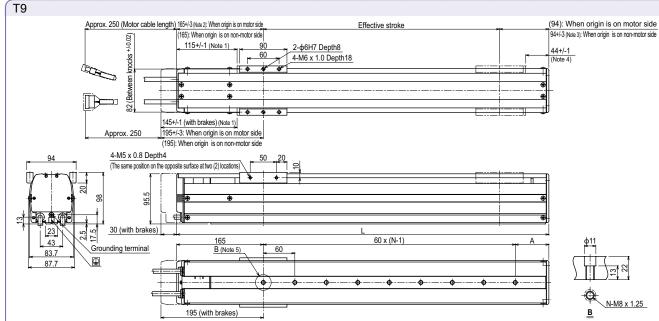


Static loading moment MY.

86		133	117					
■ Controller								
Controller Operation method								
		Program	mina /					

Controller	Operation method
SR1-X05 Note RCX320 RCX221/222 RCX340	Programming / I/O point trace / Remote command / Operation using RS-232C communication
TS-X105 Note	I/O point trace /
TS-X205 Note	Remote command
RDV-X205-RBR1	Pulse train control
Note Begenere	tive unit is required

Regenerative unit is required when the models used vertically and with 700mm or larger stroke.



- Note 1. Stop positions are determined by the mechanical stoppers at both ends.
- Note 2. 167.5+/-4 when the high lead specification (Lead 30) is used. Note 3. 94+/-4 when the high lead specification (Lead 30) is used.
- Note 5. When installing the unit, washers, etc., cannot be used in the ϕ 11 counter bore hole. Note 6. Minimum bend radius of motor cable is R5. Note 7. Weight of models with no brake. The weight of brake-attached models is 0.5 kg heav Weight of models with no brake. The weight of brake-attached models is 0.5 kg heavier than the models with no brake

NOIE 4. 41.31	1/- I WITEH LITE HIS	giileau	riead specification (Lead 50) is used. Shown in the table.																					
Effectiv	e stroke	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100 ^{Note 9}	1150 ^{Note 9}	1200 ^{Note 9}	1250
	L	409	459	509	559	609	659	709	759	809	859	909	959	1009	1059	1109	1159	1209	1259	1309	1359	1409	1459	150
	A	64	54	44	94	84	74	64	54	44	94	84	74	64	54	44	94	84	74	64	54	44	94	84
	N	4	5	6	6	7	8	9	10	11	11	12	13	14	15	16	16	17	18	19	20	21	21	22
Weight	(kg) Note 7	5.5	5.9	6.2	6.6	6.9	7.3	7.6	8.0	8.3	8.7	9.0	9.4	9.7	10.0	10.3	10.7	11.0	11.4	11.7	12.1	12.5	12.9	13.3
	Lead 30						18	00						14	40	11	70	90	00	810				
Maximum	Lead 20						12	00						960 780				60	00	540				
speed Note 8	Lead 10		600									480 390		90	300 270		270							
(mm/sec)	Lead 5	300								240 19		95	15	50	135									
	Speed setting	ing –									80)%	65	%	50)%	45%							

- Note 8. When the stroke is longer than 700mm, resonance of the ball screw may occur depending on the operation conditions (critical speed). In this case, reduce the speed setting on the program by referring to the maximum speeds shown in the table above.

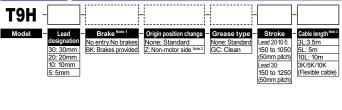
 Note 9. Strokes longer than 1050mm are special order items. Please contact us for speed setting.

High lead: Lead 30

Origin on the non-motor side is selectable: Lead 20·30

Note. Strokes longer than 1050mm are special order items. Please consult us for delivery time.

Ordering method



- Note 1. The model with a lead of 30mm cannot select specifications with brake (vertical specifications).
- Note 2. If selecting 10mm·5mm lead specifications then the origin point cannot be changed to the non-motor side.

 Note 3. The robot cable is standard cable (3L/5L/10L), but can be changed to flexible cable.
- See P.614 for details on robot cable.

 Note 4. See P.522 for DIN rail mounting bracket.
- Note 5. Select this selection when using the gateway function. For details, see P.66.

TSX	-	-	
Positioner Note 4 TS-X	Driver: Power-supply voltage / Power capacity 110: 100V/200W 210: 200V/200W	Regenerative unit – LCD monitor No entry: None R: With RGT L: With LCD	I/O selection NP: NPN PN: PNP PN: PNP CC: CC-Link DN: DeviceNet™ EP: EtherNet/I/D™ PT: PROFINET GW: No I/O board Noiss
- SR1-X	10	-	-
Controller	Driver: Power capacity 10: 200W	Usable for CE Regenerative unit No entry: Standard E: CE marking R: With RG1	N: NPN P: PNP CC: CC-Link DN: DeviceNet TM PB: PROFIBUS Battery R: With battery (Absolute) N: None (Incremental)
- RDV-X	2	10	RBR1
Driver	Power-supply voltage 2: AC200V	Driver: Power capacity 10: 200W or less	Regenerative unit

■ Specific	ations						
AC servo motor	output (W)		20	00			
Repeatability Not	^{te 1} (mm)		+/-(0.01			
Deceleration me	echanism		Ball scr	ew ф15			
Ball screw lead		30	20	10	5		
Maximum speed ^N		1800	1200	600	300		
Maximum	Horizontal	25	40	80	100		
payload (kg)	Vertical	-	8	20	30		
Rated thrust (N)	Ì	113	170	341	683		
Stroke (mm)		150 to 1250 Note 3 (50mm pitch)					
Overall length	Horizontal	Stroke+273					
(mm)	Vertical		Stroke	e+303			
Maximum dimens section of main un			W94	× H98			
Cable length (m)	Standard: 3.5 / Option: 5,10					
Linear guide type	4 rows of circular arc grooves × 1 rail						
Position detect	Resolvers Note 4						
Resolution (Pul	se/rotation)	16384					
Note 1 Positioning r	opootobility in a	ono diroo	tion				

- Note 2.
- Positioning repeatability in one direction.

 When the stroke is longer than 700mm, resonance of the ball screw may occur depending on the operation conditions (critical speed). In this case, reduce the speed setting on the program by referring to the maximum speeds shown in the table below. Strokes longer than 1050mm are available only for high lead (Lead 30). (Special order item)
 Position detectors (resolvers) are common to incremental and absolute specifications. If the controller has a backup function then it will be absolute specifications.

_
A
В





ŒP (P		₹ MP
		(Unit: N·n
MY	MP	MR

Static loading moment

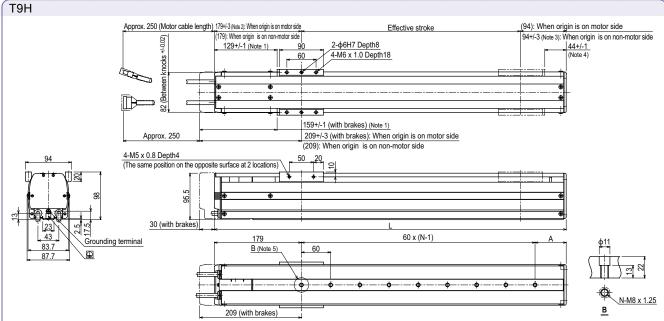
Но	rizontal	installa	tion	(Unit: mm)	Wall installation				Jnit: mm)	Vertical installation (Unit: mm)			
		Α	В	С		A		В	С			Α	С
30	10kg	415	286	183	Lead 30	10kg	140	120	323	20	4kg	515	515
Lead	20kg	270	105	93	Lea	20kg	41	0	123	ead	6kg	334	334
20	10kg	667	244	225	20	10kg	170	128	549	اد	8kg	244	244
ead	20kg	330	112	107	ead	20kg	46	0	182	9	10kg	217	217
Ľ	40kg	162	42	47	Le	40kg	0	0	0	ag	15kg	133	133
9	30kg	392	75	81	9	20kg	52	0	335	اد	20kg	90	90
ag	50kg	297	40	44	ad	25kg	24	0	235	2	15kg	135	135
Ë	80kg	265	21	24	Ë	30kg	0	0	108	ead	20kg	92	92
2	60kg	477	22	37	2	20kg	54	0	710	ات	30kg	49	49
eac	80kg	412	22	25	Lead	25kg	25	0	505				
ٽ	100kg	362	16	18	ت	30kg	0	0	355				

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

MY	MP	MR							
86	133	117							
*									
Controller									

4	Controller											
7	Controller	Operation method										
3 0 5 2	SR1-X10 Note RCX320 RCX221/222 RCX340	Programming / I/O point trace / Remote command Operation using RS-232C communication										
9	TS-X110 Note TS-X210 Note RDV-X210-RBR1	I/O point trace / Remote command Pulse train control										
	TO TALL O HOLKE	. a.co train control										

Note. When using the unit vertically, a regeneration unit is required.



- Note 1. Stop positions are determined by the mechanical stoppers at both ends.
- Note 2. 181.5+/-4 when the high lead specification (Lead 30) is used. Note 3. 94+/-4 when the high lead specification (Lead 30) is used.
- Note 5. When installing the unit, washers, etc., cannot be used in the φ11 counter bore hole. Note 6. Minimum bend radius of motor cable is R5
- Note 7. Weight of models with no brake. The weight of brake-attached models is 0.5 kg heavier than the models with no brake

Note 4. 41.5+/-1 when the high lead specification (Lead 30) is used. shown in the table.																								
Effective stroke		150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100 Note 9	1150 ^{Note 9}	1200 ^{Note 9}	1250 ^{Note 9}
L		423	473	523	573	623	673	723	773	823	873	923	973	1023	1073	1123	1173	1223	1273	1323	1373	1423	1473	1523
Α		64	54	44	94	84	74	64	54	44	94	84	74	64	54	44	94	84	74	64	54	44	94	84
N		4	5	6	6	7	8	9	10	11	11	12	13	14	15	16	16	17	18	19	20	21	21	22
Weight (kg) Note 7		5.8	6.2	6.5	6.9	7.3	7.7	8.0	8.4	8.8	9.1	9.5	9.9	10.2	10.6	11.0	11.4	11.7	12.1	12.5	12.9	13.3	13.7	14.1
Maximum speed Note 8 (mm/sec)	Lead 30	1800										14	1440 1170		90	00	810							
	Lead 20		1200										96	60	780		600		540					
	Lead 10	600										48	30	390		300		270						
	Lead 5		300											240 19		95	150		135					
	Speed setting		-											80% 65%		50)%	45%						

- When the stroke is longer than 700mm, resonance of the ball screw may occur depending on the operation conditions (critical speed). In this case, reduce the speed setting on the program by referring to the maximum speeds shown in the table above.
- Note 9. Strokes longer than 1050mm are special order items. Please contact us for speed setting