LTt

■Robot ordering method

LTt - V - 550 - 3L - SRCH - 05 - 200

Model — Variation — Stroke — Cable length — Controller — Driver — Power voltage

■Mechanical unit specifications

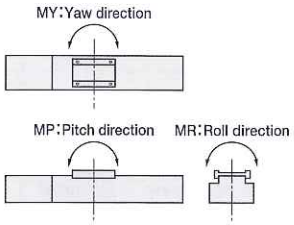
AC servo motor output (W)			100
Maximum speed (mm/sec)		Horizontal	1000 ※2
		Vertical	500
Repeatability (mm)			±0.02
Maximum payload (kg)		Horizontal	30
		Vertical	8
Continuous rated thrust (daN, kgf)		Horizontal	8
		Vertical	16
Ball screw lead (mm)		Horizontal	20 (Ground)
		Vertical	10 (Ground)
Stroke	Standard	Motor is directly connected, for horizontal use	150 to 1050
	B	Space saving, for horizontal use	—
	V	For vertical use	150 to 650
	BV	Space saving, for vertical use	—
Return to origin		Return to origin system	Stroke end detection system
		Motor side	Standard
		Non-motor side	Designate
Standard cycle time [Horizontal / Vertica] ※3		1 kg	0.43／0.72
		max kg	0.98／0.78
Controller			ERC※4、SRCH-05

■Loading moment

Static loading moment daN·m (kgf·m)	MY	MP	MR
	7	7	10

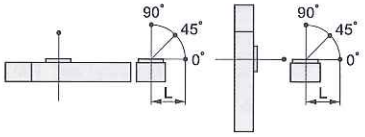
Dynamic loading moment [horizontal use] (mm)	Load \ Angle	0°	45°	90°
	5kg	527	578	1503
	10kg	254	286	840
	20kg	117	136	477
	30kg	74	90	438
Dynamic loading moment [vertical use] (mm)	3kg	1168	826	1168
	5kg	668	472	668
	8kg	385	272	385

●Static loading moment

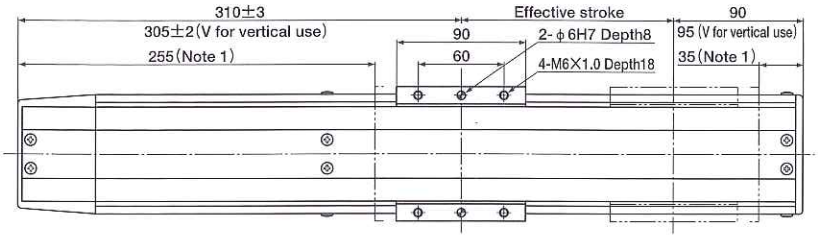


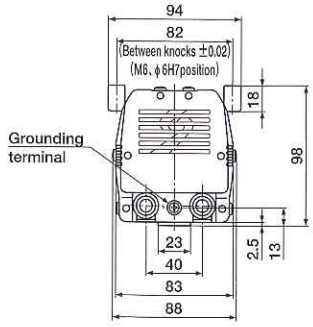
●Dynamic loading moment [horizontal use]

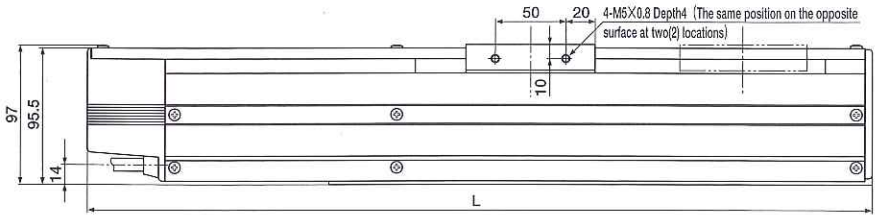
●Dynamic loading moment [vertical use]

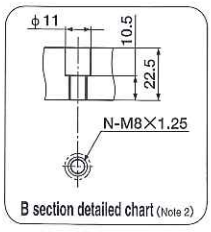


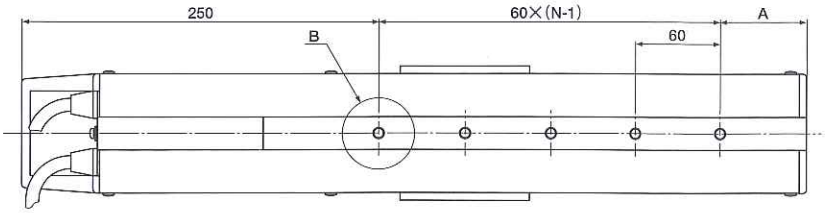
※1 For a stroke of 850mm or longer, please see※1 on page 4.
※2 When an ERC controller is used, the maximum speed is 900mm/sec.
※3 Travel time for a 300mm one-way stroke with standard positioning completed parameter. (when an SRCH controller is used)
※4 Only horizontal specifications are possible for the ERC.











Effective stroke	150	250	350	450	550	650	750	850	950	1050
L	550	650	750	850	950	1050	1150	1250	1350	1450
A	60	40	80	60	40	80	60	40	80	60
N	5	7	8	10	12	13	15	17	18	20
Weight (kg)	6.4	7.2	7.9	8.7	9.5	10.2	11.0	11.7	12.5	13.2

※Note 1：This is the position at which the slider is stopped by mechanical stoppers at both ends.
※Note 2：Washer and spring washer cannot be used.

LTt Space-saving model

■Robot ordering method

LTt - BLV - 550 - 3L - SRCH - 05 - 200

Model — Variation — Stroke — Cable length — Controller — Driver — Power voltage

■Mechanical unit specifications

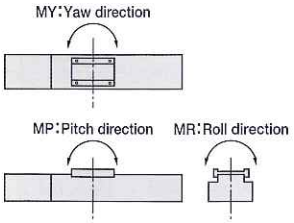
AC servo motor output (W)		100
Maximum speed (mm/sec) ※1	Horizontal	1000 ※2
	Vertical	500
Repeatability (mm)		±0.02
Maximum payload (kg)	Horizontal	30
	Vertical	8
Continuous rated thrust (daN, kgf)	Horizontal	8
	Vertical	16
Ball screw lead (mm)	Horizontal	20 (Ground)
	Vertical	10 (Ground)
Stroke: Standard	Motor is directly connected, for horizontal use	—
Stroke: B	Space saving, for horizontal use	150 to 1050
Stroke: V	For vertical use	—
Stroke: BV	Space saving, for vertical use	150 to 650
Return to origin	Return to origin system	Stroke end detection system
	Motor side	Standard
	Non-motor side	Designate
Standard cycle time [Horizontal / Vertical] ※3	1 kg	0.43／0.72
	max kg	0.98／0.78
Controller		ERC※4、SRCH-05

■Loading moment

Static loading moment	MY	MP	MR
daN·m (kgf·m)	7	7	10

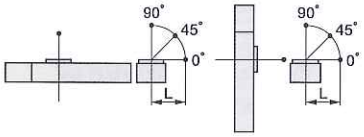
Dynamic loading moment [horizontal use] (mm)	Load \ Angle	0°	45°	90°
	5kg	527	578	1503
	10kg	254	286	840
	20kg	117	136	477
	30kg	74	90	438
Dynamic loading moment [vertical use] (mm)	3kg	1168	826	1168
	5kg	668	472	668
	8kg	385	272	385

●Static loading moment

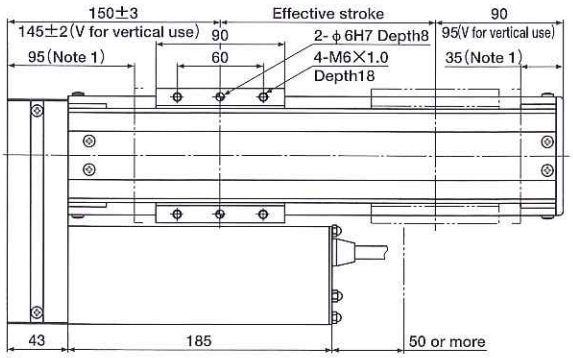


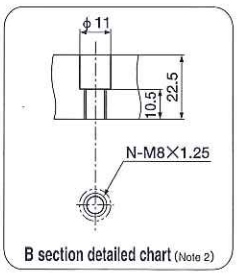
●Dynamic loading moment [horizontal use]

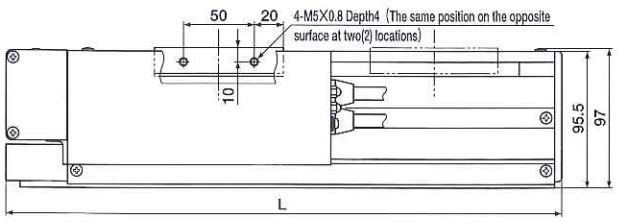
●Dynamic loading moment [vertical use]

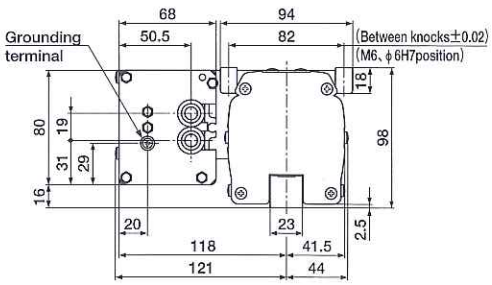


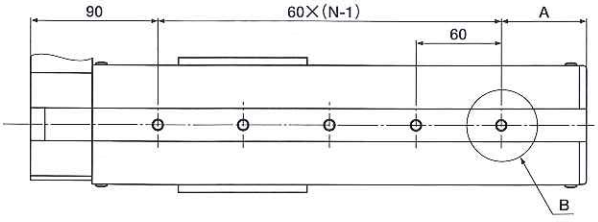
※1 For a stroke of 850mm or longer, please see※1 on page 4.
※2 When an ERC controller is used, the maximum speed is 900mm/sec.
※3 Travel time for a 300mm one-way stroke with standard positioning completed parameter. (when an SRCH controller is used)
※4 Only horizontal specifications are possible for the ERC.











Effective stroke	150	250	350	450	550	650	750	850	950	1050
L	390	490	590	690	790	890	990	1090	1190	1290
A	60	40	80	60	40	80	60	40	80	60
N	5	7	8	10	12	13	15	17	18	20
Weight (kg)	6.4	7.2	7.9	8.7	9.5	10.5	11.0	11.7	12.5	13.2

※Note 1 : This is the position at which the slider is stopped by mechanical stoppers at both ends.
※Note 2 : Washer and spring washer cannot be used.