SINGLE-AXIS ROBOT

LINEAR SERVO type

LSAB/LSAS series
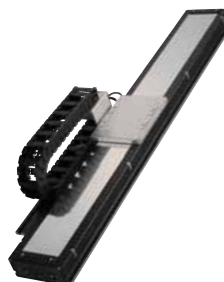
LSA-S6SS
LSA-S8SS
LSA-S8HS
LSA-S10SS
LSA-S10HS

LSA-S6SM
LSA-S8SM
LSA-S8HM
LSA-S10SM
LSA-S10HM

LSAS-N10SS
LSAS-N10SM

LSAS-N15SS
LSAS-N15SM
LSAS-N15HS
LSAS-N15HM

LSA-W21SS
LSA-W21SM
LSA-W21HS
LSA-W21HM

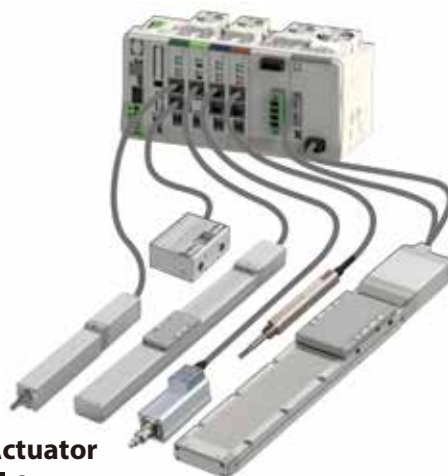## Applicable controllers

1axis	2or more axes	Program type Sophisticated operations

SCON controller

RCON controller

RSEL controller

Actuator
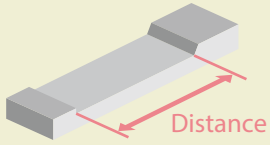■ 1axis

Actuator
■ 2or more axes

■ to draw 2D/3D trajectories.
■ to operate palletizing operations.
■ to register multi-axis operations.

LSA-W21HS/W21HM cannot connect to the R unit (RCON/RSEL).
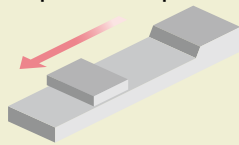Refer to the individual actuator pages for the applicable controllers.
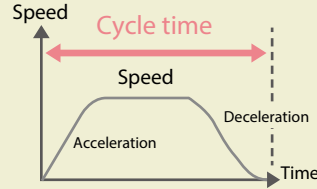
Description of the Table

❶ Stroke

Distance

* The distance shows the selectable stroke.
  Ex.) S6SS can select 48 to 1248mm.

❷ Maximum speed (operation speed)

❸ Cycle time
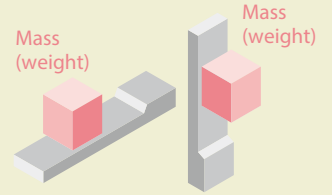
Speed — Cycle time — Speed — Deceleration — Acceleration — Time

* Shows one-way travel time of the max. stroke with horizontal use, max. speed and max. acceleration/deceleration.
* Figures are not based on the maximum payload.

❹ Payload

Mass (weight) — Horizontal — Mass (weight) — Vertical

* Payload varies depending on acceleration/deceleration and mounting posture.

Type	Stroke (mm) and maximum speed (mm/s) * The distance = stroke. * Figures show max. speed by stroke.																						Rating thrust (N)	Payload (kg)	
	40	50	100	200~400	500	600	700	800	900	1000	1000	1100	1200	1300	1400	1600	1700	1800	1900	2000	2100	2200		Horizontal	Vertical
S6SS		2500										⏱ 0.778 seconds											15	3	-
S6SM	2500					⏱ 0.698 seconds																			-
S8SS			2500										⏱ 0.923 seconds										25	5	-
S8SM			2500									⏱ 0.851 seconds													-
S8HS			2500										⏱ 0.923 seconds										35	7	-
S8HM			2500							⏱ 0.827 seconds															-
S10SS			2500												⏱ 1.11 sec.								65	15	-
S10SM			2500											⏱ 1.019 sec.											-
S10HS			2500												⏱ 1.11 sec.								80	20	-
S10HM			2500										⏱ 1.001 sec.												-

Type	Stroke (mm) and maximum speed (mm/s) * The distance = stroke. * Figures show max. speed by stroke.																		Rating thrust (N)	Payload (kg)	
	100	200~400	500	600	700	800	900	1000	1100~3500	3600	3700	3800	3900	4000	4100	4150				Horizontal	Vertical
N10SS	2500									⏱ 1.915 sec.									54	15	-
N10SM	2500							⏱ 1.835 seconds													-
N15SS		2500								⏱ 1.94 sec.									86	20	-
N15SM		2500							⏱ 1.855 seconds												-
N15HS		2500								⏱ 1.915 sec.									125	30	-
N15HM		2500					⏱ 1.815 seconds														-
W21SS					2500					⏱ 2.07 sec.									200	60	-
W21SM				2500				⏱ 1.939 seconds													-
W21HS					2500				⏱ 2.004 seconds										400	120	-
W21HM			2500			⏱ 1.815 seconds															-