

SSC05H

Slider type

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

Ordering method

Model	Lead	Type	Brake	Direction of air coupler installation	Origin position	Stroke	Cable length
SSC05H	20: 20mm 12: 12mm 6: 6mm	S: Straight	N: With no brake B: With brake	R: Right (Standard) L: Left	N: Standard Z: Non-motor side	50 to 800 (50mm pitch)	1L: 1m 3L: 3m 5L: 5m 10L: 10m

Note 1. Only the model with a lead of 12mm or 6mm can select specifications with brake.
 Note 2. If changing from the origin position at the time of purchase, the machine reference amount must be reset. For details, refer to the manual.
 Note 3. The robot cable is flexible and resists bending.
 Note 4. See P.600 for DIN rail mounting bracket.
 Note 5. Select this selection when using the gateway function.

Basic specifications

Motor	42 □ Step motor
Repeatability (mm)	+/- 0.02
Deceleration mechanism	Ball screw φ12
Maximum motor torque (N·m)	0.47
Ball screw lead (mm)	20 12 6
Maximum speed (mm/sec)	Horizontal 1000 600 300 Vertical - 500 250
Maximum payload (kg)	Horizontal 6 8 12 Vertical - 2 4
Max. pressing force (N)	36 60 120
Stroke (mm)	50 to 800 (50mm pitch)
Overall length (mm)	Horizontal Stroke+286 Vertical Stroke+306
Maximum outside dimension of body cross-section (mm)	W55 × H56
Cable length (m)	Standard: 1 / Option: 3, 5, 10
Degree of cleanliness	CLASS 10
Intake air (Nl/min)	Lead 20 Lead 12 Lead 6 80 50 30

Note 1. Positioning repeatability in one direction.
 Note 2. When the stroke is longer than 650mm, 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. Per 1cf (0.1um base), when suction blower is used.

S2	S2	I/O
Robot positioner	TS-S2	NP: NPN PN: PNP CC: CC-Link DN: DeviceNet™ EP: EtherNet/IP™ PT: PROFINET GW: No I/O board
SH	SH	Battery
Robot positioner	TS-SH	NP: NPN PN: PNP CC: CC-Link DN: DeviceNet™ EP: EtherNet/IP™ PT: PROFINET GW: No I/O board
SD	SD	I/O cable
Robot driver	TS-SD	1: 1m

Allowable overhang

Horizontal installation	Wall installation	Vertical installation
(Unit: mm)	(Unit: mm)	(Unit: mm)
Lead 20	Lead 20	Lead 12
2kg 599 225 291	2kg 262 203 554	1kg 458 459
4kg 366 109 148	4kg 118 88 309	2kg 224 224
6kg 352 71 104	6kg 71 49 262	4kg 113 113
4kg 500 118 179	4kg 146 96 449	
6kg 399 79 118	6kg 85 55 334	
8kg 403 56 88	8kg 55 34 305	
6kg 573 83 136	6kg 101 62 519	
8kg 480 61 100	8kg 64 39 413	
10kg 442 47 78	10kg 43 26 355	
12kg 465 39 64	12kg 28 17 338	

Note. Distance from center of slider upper surface to conveyor center-of-gravity at a guide service life of 10,000 km (Service life is calculated for 600mm stroke models).

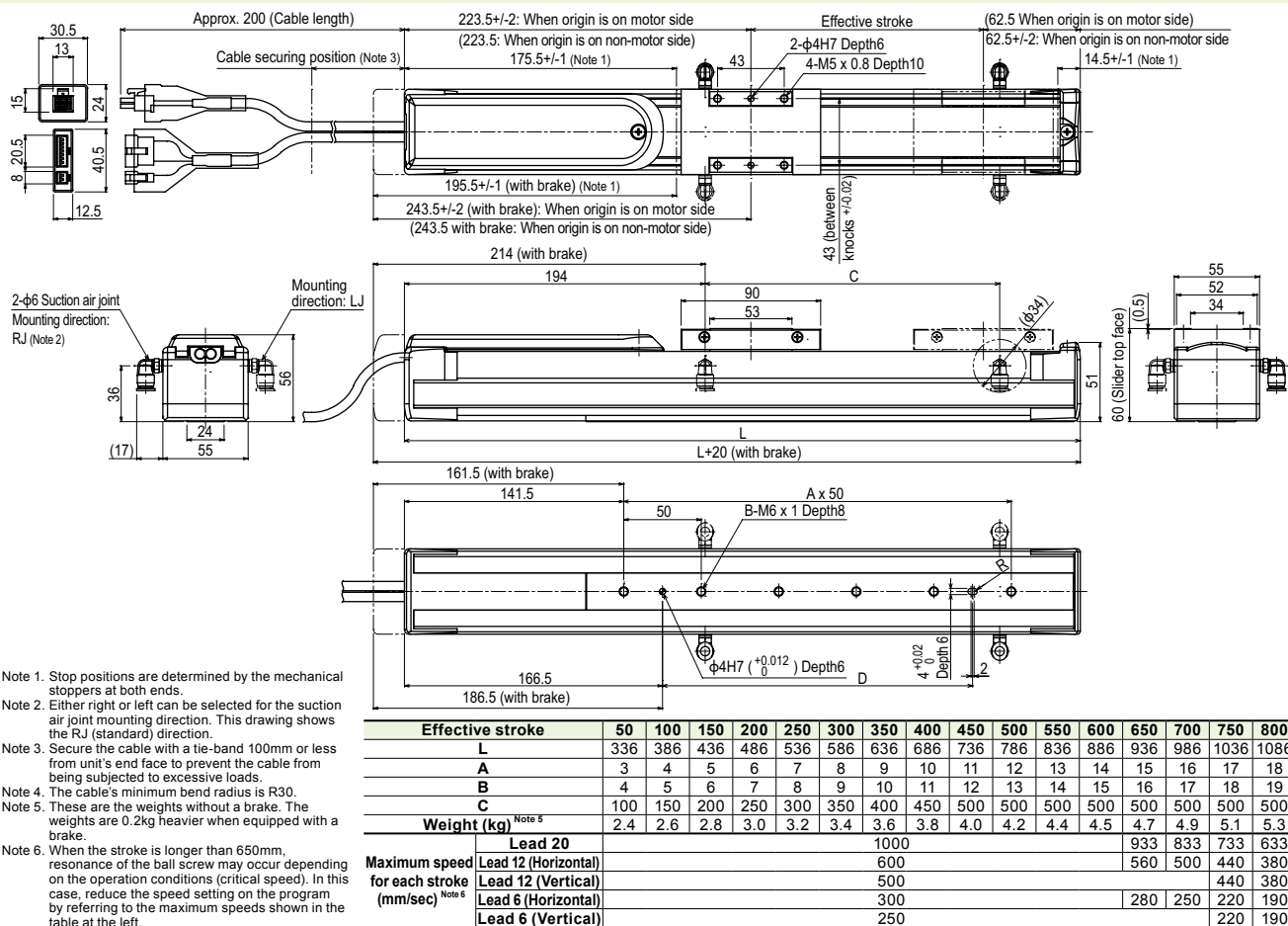
Static loading moment

MY	MP	MR
32	38	34

Controller

Controller	Operation method
TS-S2	I/O point trace / Remote command
TS-SH	Pulse train control
TS-SD	Pulse train control

SSC05H



Note 1. Stop positions are determined by the mechanical stoppers at both ends.
 Note 2. Either right or left can be selected for the suction air joint mounting direction. This drawing shows the RJ (standard) direction.
 Note 3. Secure the cable with a tie-band 100mm or less from unit's end face to prevent the cable from being subjected to excessive loads.
 Note 4. The cable's minimum bend radius is R30.
 Note 5. These are the weights without a brake. The weights are 0.2kg heavier when equipped with a brake.
 Note 6. When the stroke is longer than 650mm, 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.

Controller

TS-S2 ▶ 592 TS-SH ▶ 592 TS-SD ▶ 602