

LSA-S8HS

Shaft type, 80 mm wide
High-thrust type, single-slider



■ Model Name **LSA-S8HS-I-100-T2** - - - - -

Series — Type — Encoder type — Applicable drive output — Stroke — Applicable controller — Cable length — Options

I: Incremental specification 100 : 1.00W 60:60mm ? T2 : SCON SSEL XSEL-P/Q N: None S: 3m M: 5m X□□: Specified Length Refer to the options table below.

* Refer to P. 13 for details on each item comprising the model name. 1620:1620mm

Model Specifications

Model	Encoder type	Applicable drive output (per slider)	Stroke Specified in 60-mm steps (mm)	Speed (Note 1) (mm/sec)	Payload (Note 2)		Rated thrust (N)	Maximum thrust (N)	Maximum acceleration (G) (Note 2)
					Horizontal (kg)	Vertical (kg)			
LSA-S8HS-I-100-①-T2-②-③	I: Incremental	100	60-1620	2500	7	—	35	140	3

* In the above model names, ① indicates the stroke, ② indicates the cable length, and ③ indicates the options.

Options

Name	Model	Reference page	Remarks
Cable track installation direction	CT2-6	→P14	Installation directions 2 to 6
Cable track for user wiring, type S	US1-6	→P14	Installation directions 1 to 6
Cable track for user wiring, type M	UM1-6	→P14	Installation directions 1 to 6

Common Specifications

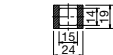
Drive method	Linear servo motor
Positioning repeatability	±0.005mm
Guide	Built-in linear guide
Permissible load moment	Ma: 42.2N • m Mb: 60.3 • m Mc: 37.6N • m
Overhang load length	300 mm or less in Ma direction / 300 mm or less in Mb/Mc directions
Base	Material: Aluminum with white alumite treatment
Applicable controller	T2: SCON, SSEL, XSEL-P/Q
Cable length (Note 3)	N: No Cable S: 3m M: 5m X□□: Specified length
Ambient operating temperature	0 to 40°C, 85% RH or below (non-condensing)

Dimensions

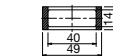
You can download CAD drawings from our website.

2D CAD

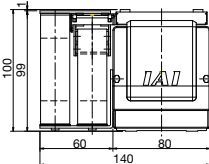
*1 During home return, the slider will move to the ME. Accordingly, pay attention to possible contact between the slider and surrounding structures, etc.
ME: Mechanical end
SE: Stroke end



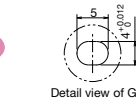
Cable track for user wiring
Dimensions of section (type S)



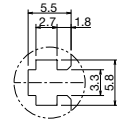
Cable track for user wiring
Dimensions of section (type M)



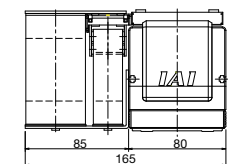
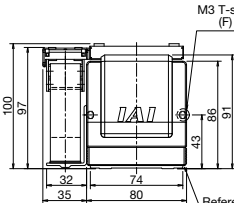
Cable track for user wiring (type S)



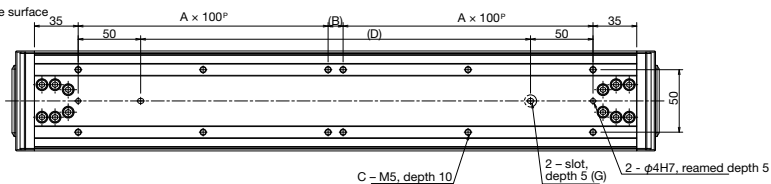
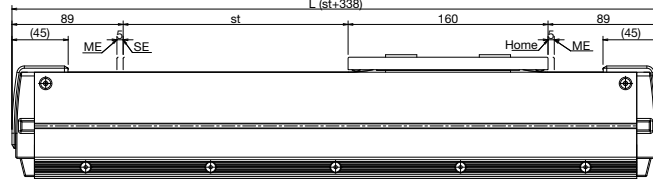
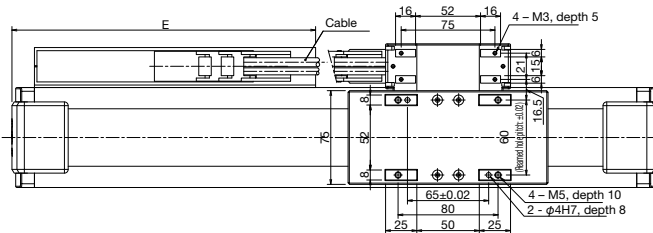
Detail view of G



Detail view of F



Cable track for user wiring (type M)



Stroke	60	120	180	240	300	360	420	480	540	600	660	720	780	840	900	960	1020	1080	1140	1200	1260	1320	1380	1440	1500	1560	1620
L	398	458	518	578	638	698	758	818	878	938	998	1058	1118	1178	1238	1298	1358	1418	1478	1538	1598	1658	1718	1778	1838	1898	1958
A	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8	8	9
B	92	152	12	72	132	192	52	112	172	32	92	152	12	72	132	192	52	112	172	32	92	152	12	72	132	192	52
C	8	8	12	12	12	12	16	16	16	20	20	20	24	24	24	28	28	28	28	32	32	32	36	36	36	36	40
D	192	252	312	372	432	492	552	612	672	732	792	852	912	972	1032	1092	1152	1212	1272	1332	1392	1452	1512	1572	1632	1692	1752
E	193	218	243	268	293	318	343	368	393	418	443	468	493	518	543	568	593	618	643	668	693	718	743	768	793	818	843
Weight(kg)	5.0	5.4	5.7	6.1	6.4	6.8	7.1	7.5	7.9	8.2	8.6	8.9	9.3	9.6	10.0	10.4	10.7	11.1	11.4	11.8	12.1	12.5	12.9	13.2	13.6	13.9	14.3

Applicable Controller Specifications

Applicable controller	Maximum controlled axes	Operating method	Power-supply voltage	Reference page
XSEL	6 axes	Program	Single-phase/ three-phase AC 200 V	→P53
SSEL	2 axes	Program/positioner	Single-phase AC 100/200V	→P52
SCON	1 axis	Pulse train/positioner	Single-phase AC 100/200V	→P51



Caution

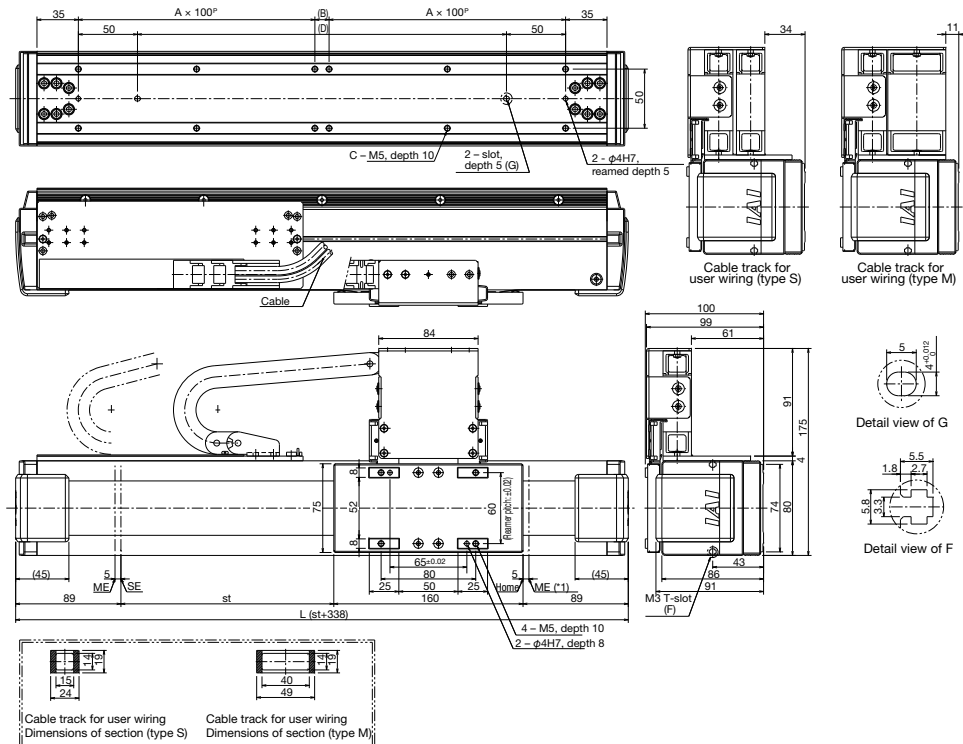
(Note 1) The maximum speed may not be attained if the stroke is short.
(Note 2) The maximum acceleration varies depending on the operating conditions.
(Note 3) The maximum cable length is 20 m for the SCON/SSEL and 30 m for the XSEL. Specify a desired length in units of meters.
(Example: X08 = 8 m)

Dimensions – Sideway Specification (Standard)

You can download CAD drawings from our website.

2D CAD

*1 During home return, the slider will move to the ME. Accordingly, pay attention to possible contact between the slider and surrounding structures, etc.
ME: Mechanical end
SE: Stroke end



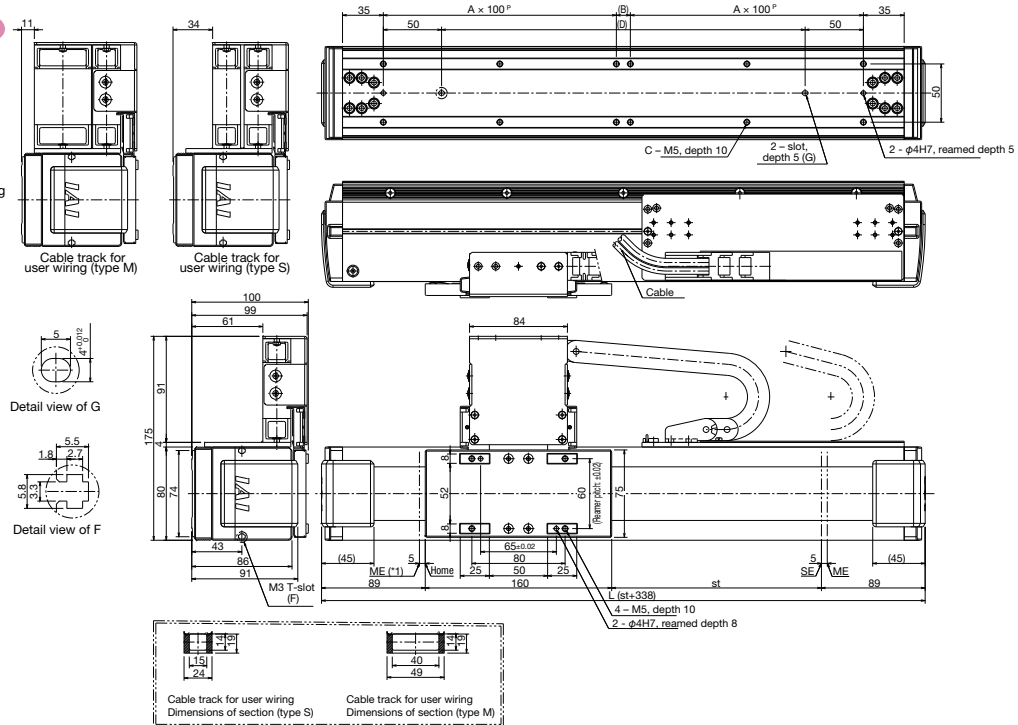
Stroke	60	120	180	240	300	360	420	480	540	600	660	720	780	840	900	960	1020	1080	1140	1200	1260	1320	1380	1440	1500	1560	1620
L	398	458	518	578	638	698	758	818	878	938	998	1058	1118	1178	1238	1298	1358	1418	1478	1538	1598	1658	1718	1778	1838	1898	1958
A	1	1	2	2	2	2	3	3	3	4	4	4	5	5	5	5	6	6	6	7	7	7	8	8	8	8	9
B	92	152	12	72	132	192	52	112	172	32	92	152	12	72	132	192	52	112	172	32	92	152	12	72	132	192	52
C	8	8	12	12	12	12	16	16	16	20	20	20	24	24	24	28	28	28	32	32	32	32	36	36	36	36	40
D	192	252	312	372	432	492	552	612	672	732	792	852	912	972	1032	1092	1152	1212	1272	1332	1392	1452	1512	1572	1632	1692	1752
Weight(kg)	5.5	5.9	6.2	6.6	6.9	7.3	7.6	8.0	8.4	8.7	9.1	9.4	9.8	10.1	10.5	10.9	11.2	11.6	11.9	12.3	12.6	13.1	13.4	13.7	14.1	14.4	14.8

Dimensions – Sideway Specification (Cable Track, Opposite)

You can download CAD drawings from our website.

2D CAD

*1 During home return, the slider will move to the ME. Accordingly, pay attention to possible contact between the slider and surrounding structures, etc.
ME: Mechanical end
SE: Stroke end



Stroke	60	120	180	240	300	360	420	480	540	600	660	720	780	840	900	960	1020	1080	1140	1200	1260	1320	1380	1440	1500	1560	1620
L	398	458	518	578	638	698	758	818	878	938	998	1058	1118	1178	1238	1298	1358	1418	1478	1538	1598	1658	1718	1778	1838	1898	1958
A	1	1	2	2	2	2	3	3	3	4	4	4	5	5	5	5	6	6	6	7	7	7	8	8	8	8	9
B	92	152	12	72	132	192	52	112	172	32	92	152	12	72	132	192	52	112	172	32	92	152	12	72	132	192	52
C	8	8	12	12	12	12	16	16	16	20	20	20	24	24	24	28	28	28	32	32	32	32	36	36	36	36	40
D	192	252	312	372	432	492	552	612	672	732	792	852	912	972	1032	1092	1152	1212	1272	1332	1392	1452	1512	1572	1632	1692	1752
Weight(kg)	5.5	5.9	6.2	6.6	6.9	7.3	7.6	8.0	8.4	8.7	9.1	9.4	9.8	10.1	10.5	10.9	11.2	11.6	11.9	12.3	12.6	13.1	13.4	13.7	14.1	14.4	14.8

Shaft type

Small type

Flat type

Medium type

Large type