

# Rotating Nut Linear Actuator NS



# **Nut Rotation Actuator that Provides Long Stroke and Speed Nearly As Fast as a Linear**

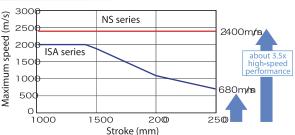


## Moves the slider by rotating a nut, not with a ball screw.

The actuator structure is that rather than moving the nut in the straight line by rotating a ball screw, the ball screw is fixed and the nut is rotated by a servo motor built into the slider, so the slider moves in a straight line. Because the ball screw does not rotate, the influence of dangerous rotation Ball screw speeds is minimal and this makes movement at high speed possible even Ball screw for long strokes. Nut + servo motor ISA series NS series

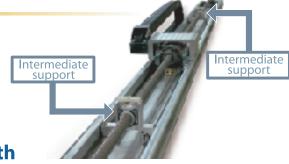
## Maximum speed 2400 mm/s, maximum acceleration 1g high-speed performance

A maximum speed of 2400 mm/s is attained through the use of high-lead precision screws (equivalent to C5). Also, since there is minimal impact from dangerous rotation speeds, movement is possible at the maximum 2400 mm/s even at the maximum stroke (3000 mm), so the cycle time can be greatly reduced.



The middle support structure provides a long stroke of 3000 mm.

The NS series combines nut rotation functions with the intermediate support structure that has proven itself in the ISA series to attain a 3000-mm stroke, stunning for a ball screw machine.



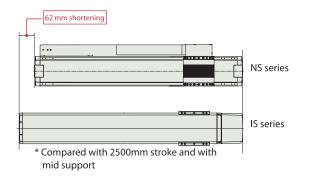
# Multi-slider support [equipped with collision prevention function]

Two sliders are set on one shaft and a multi-slider is set to operate them separately. Since this makes it possible for two shafts to operate in the space of one shaft, it has a great effect in saving space and reducing tact time. The "collision prevention function" to prevent collisions between the sliders is standard equipment.



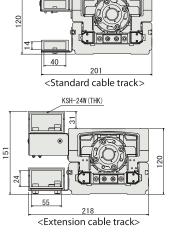
## **Length reduced further**

Using a servo motor and putting the motor on the outside of the ball screw eliminates the previous need for motor installation space and links the ball screw directly to further shorten the length even compared to the IS series which has already greatly reduced it.

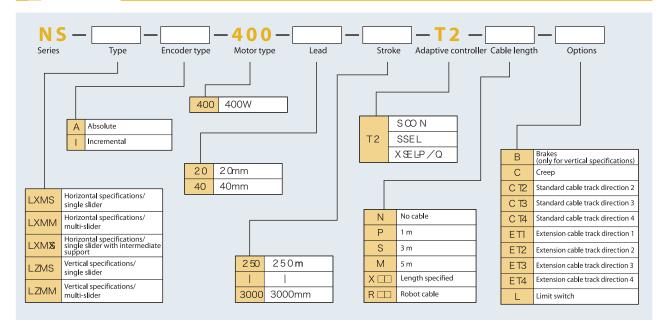


## **Extension cable track option setting**

A cable track that expands the capacity is available as an option.



## Model



## Specifications Table

	Slider	Appearance	Туре	Encoder type	Motor type	Lead (mm)	Stroke (mm)	Rated thrust (N)	Maximum transportable weight (kg)	Maximum speed" (mm/s)	Page	
	Single slider		LXMS			40	500 - 1200	170	40	2400	P5	
Horizontal specifications	3		LAMS			20	300 - 1200	340.1	80	1300	ro	
specifications	Multi-slider		LXMM			40	250 <b>-</b> 2250	170	40	2400	P6	
			LAMIM			20	230 - 2230	340.1	80	1300	ro	
Horizontal specifications with intermediate	Single slider			LVMVC	Absolute Incremental	400	40	1300 - 3000	170	40	2400	P7
support	Jingle slider		LXMXS		100	20	1300 - 3000	340.1	80	1300	.,	
Vertical specifications	Single slider		LZMS			20	500 - 1000	340.1	16	1000	P8	
specifications	Multi-slider		LZMM				250 - 950	340.1	16	1000	<b>P9</b>	

### Iable

## **Table of Payload By Acceleration Conditions**

#### 1. Horizontal installation

Туре	Motor output		Maximum	Maximum acceleration	Payload by ac	celeration (kg)						
	(W)	(mm)	speed" (mm/s)	(G)	0.3G	0.4G	0.5G	0.6G	0.7G	0.8G	0.9G	1.0G
LXMS LXMM		40	2400	1.0	40	30	25	20	17	15	13	10
	400	20	1300	1.0	80	60	48	40	34	30	27	24
LVMVC	400	400 40 2	2400	0.3	40	ó	ó	ó	ó	ó	ó	ó
LXMXS		20	1300	0.5	80	ó	ó	ó	ó	ó	ó	ó

#### 2. Vertical installation

Туре	Motor output		Maximum speed"	Maximum	Payload by ac	celeration (kg)	g)							
	(W)	(mm)	(mm/s)	acceleration (G)	0.3G	0.4G	0.5G	0.6G	0.7G	0.8G	0.9G	1.0G		
LZMS LZMM	400	20	1000	0.8	16	12.3	11.1	10.1	9.2	6	ó	ó		

## **Explanation of Main Unit Options**

#### **Brakes**

Model B

This is a structure that holds the slider so that if the actuator is used vertically and the power is switched Off or the servo goes Off, the slider does not fall and damage installed items. In the NS series vertical specifications (LZMS/LZMM), brakes are standard equipment. (Brakes are not set for the horizontal specifications.)

#### Creep sensor

Model

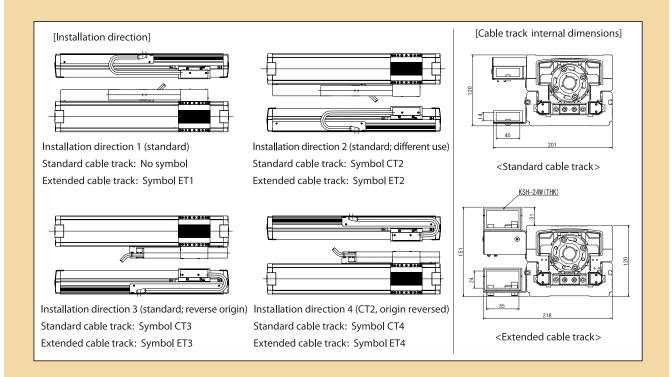


When the homing operation is carried out with the incremental specifications, in order to shorten the homing time, the slider is moved at high speed to just before the position and when it passes this sensor, the speed is dropped to resume normal homing operations. Since this sensor is mounted within the actuator itself, it does not affect the appearance or external dimensions.

Standard cable track installation direction change/extension cable track installation

### Model CT2 / CT3 / CT4 (standard cable track installation direction) ET1 / ET2 / ET3 / ET4 (extended cable track installation direction)

The cable track installation direction can be selected from the following four types (including the standard installation direction).



#### Origin limit switch

Normal NS series homing operations use the "push contact technique" in which the origin is reached by bringing the slider in contact with a stopper, inverting, then detecting the Z phase. L (origin limit switch) is the option for executing the homing operation without contact by detecting using a proximity sensor, then inverting. Since origin limit switch is mounted within the actuator itself, it does not affect the appearance or external dimensions.

#### ■ Single-axis robot nut rotation type Main unit width 145mm 400 W horizontal specifications/single slider Model item $NS - LXMS - \Gamma$ **— 400 —** T2 Adaptive controller T2:SCON SSEL XSEL-P/Q Encoder type A: Absolute 400:400W Cable length N:None S:3m M:5m Options See option table below Series Stroke 500:500mm Туре 1 1200:1200mm X:Length specified

#### Model/specs

		Motor				Acceleration (*1) Payload (*1, *		(*1, *2)						
Model	Encoder type	output	Lead (mm)	Stroke (mm)	Speed (mm/s)	Horizo	nta <b>l</b> (G)	Vertic	al (G)	Horizor	nta <b>l</b> (kg)	Vertical (kg)	Rated thrust (N)	
		(W)	()	(,				Rated	Maxi- mum		laximum ration	Rated / Maximum acceleration	()	
NS-LXMS-11-400-40-2-T2-3-4	Absolute	400	40	500 1300	2400	0.3	1.0	Horizon	tal anh	40	10	Harizantal anh	170	
NS-LXMS-11-400-20-22-T2-3-4	Incremental	400	20	500 - 1200	1300	0.3	1.0	Horizontal only		80 24		Horizontal only	340.1	

<sup>\*</sup> For the model types above, 1 is the encoder type, 2 the stroke, 3 the cable length, and 4 the options.

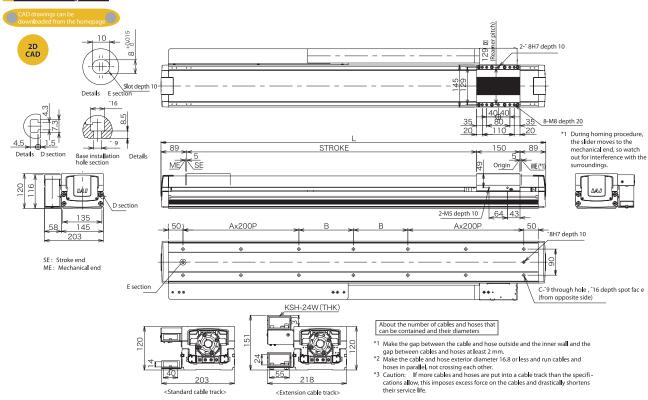
#### Options

Name	Model	See Page
Creep sensor	С	P4
Standard cable track installation direction change	CT2 - CT4	P4
Extended cable track	ET1 - ET4	P4
Limit switch	L	P4

#### Common specifications

Drive type	Ball screw <sup>-</sup> 20 mm Equivalent to C5 form rolled						
Repeatability	Absolute specifications $\pm 0.01$ mm/Incremental specifications $\pm 0.02$ mm						
Back <b>l</b> ash	0.02 mm max.						
Guide	Base one-piece model						
Permitted load moment	Ma: 104.9N m M b: 149.9N m M c :248.9N m						
Extension load length	Ma direction: 750 mm max. Mb, Mc direction: 750 mm max.						
Base	Material: Aluminum, white treated alumite						
Cable length (*3)	N: No cable S: 3m M: 5m X: Length specified						
Usage ambient temperature	0-40∫ C, 85% RH max. (no condensation allowed)						





#### Adaptive controller specifications

Adaptive contro <b>ll</b> er	Maximum number of axes contro <b>ll</b> ed	Connectable encoder types	Operation method	Power supply voltage
X-SEL-P/Q	6 axes		Program	Three phase/ single phase 200 VAC
SSEL	2 axes	Absolute/ incremental	riogiaiii	Single phase
SCON	1axis		Positioner pulse string control	100/200 VAC



Stroke

Weight (kg)

500

828

1

138

10

18.6 20.1

600

928

1

188

10

Note 1: For details on the relationship between the acceleration and the payload, see Page 3.

700 800

1028

1 1

238

10

21.6 23.1

1128

288

10 14

900

1228

2

138

24.5 26.0

1000

1328

2

188

14

1100

1428 1528

2

238

14

27.5 29.0

1200

2

288

14

- Note 2: The payload is the value when operating at the maximum speed.
- Note 3: The maximum cable length is 30 m. When specifying the length, enter in meters. (Example: X08=8 m)

#### Single-axis robot nut rotation type Main unit width 145mm 400 W Horizontal specifications/multi-slider NS — LXMM — [ Model item □ — 400 — **T2** Cab**l**e **l**ength N:None Encoder type Motor type A: Absolute 400:400W Adaptive Series Type Lead Stroke Options See option table below 40:40mm 250:250mm contro**ll**er S :3m M:5m X:Length specified I: Incremental 20:20mm T2:SCON SSEL 2250:2250mm XSEL-P/Q

#### Model/specs

		Motor			oke Speed Horizontal (kg) Vertical (kg) Horizontal (kg		Payload	(*1, *2)				
Model	Encoder type	output	Lead (mm)	Stroke (mm)			Horizon	nta <b>l</b> (kg)	Vertical (kg)	Rated thrust (N)		
		(W)	(	(,	()	Rated	Maxi- mum	Rated Maxi-	Rated / Maximum acceleration		Rated / Maximum acceleration	(,,,
NS-LXMM-11-400-40-22-T2-3-4	Absolute	400	40	250 2250	2400	0.3	1.0	U autaan kalaan l	40	10	Hadaaatal aab	170
NS-LXMM-11-400-20-22-T2-3-4	Incremental 400 20		20	250 ~ 2250	1300	0.3	1.0	Horizontal onl	80	24	Horizontal only	340.1

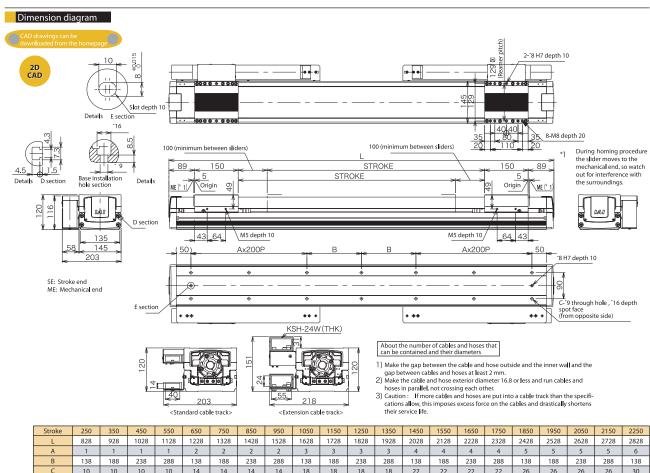
<sup>\*</sup> For the model types above, 1 is the encoder type, 2 the stroke, 3 the cable length, and 4 the options.

#### Options

Name	Model	See Page
Creep sensor	С	P4
Extension cable track	ET1	P4
Limit switch	L	P4

#### Common specifications

Drive type	Ball screw - 20 mm Equivalent to C5 form rolled
Repeatability	Absolute specifications $\pm 0.01$ mm/Incremental specifications $\pm 0.02$ mm
Back <b>l</b> ash	0.02 mm max.
Guide	Base one-piece model
Permitted load moment	Ma:104.9N m Mb:149.9N m Mc:248.9N m
Extension load length	Ma direction: 750 mm max. Mb, Mc directions: 750 mm max.
Base	Material: Aluminum, white treated alumite
Cable length (*3)	N: No cable S: 3m M: 5m X: Length specified
Usage ambient temperature	0-40∫ C, 85% RH max. (no condensation allowed)



Α	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6
В	138	188	238	288	138	188	238	288	138	188	238	288	138	188	238	288	138	188	238	288	138
С	10	10	10	10	14	14	14	14	18	18	18	18	22	22	22	22	26	26	26	26	30
Weight (kg)	24.7	26.4	28.2	29.9	31.6	33.4	35.1	36.8	38.6	40.3	42	43.8	45.5	47.2	48.9	50.7	52.4	54.1	55.9	57.6	59.3

	Adaptive controller	Maximum number of axes controlled	Connectable encoder types	Operation method	Power supply voltage
	X-SEL-P/Q	6 axes		Program	Three phase/ single 200 VAC
	SSEL	2 axes	Absolute/ incremental	riogiaiii	Single phase
İ	SCON	1axis		Positioner pulse string control	100/200 VAC



- Note 1: For details on the relationship between the acceleration and the payload, see Page 3.
- Note 2: The payload is the value when operating at the maximum speed.
- Note 3: The maximum cable length is 30 m. When specifying the length, enter in meters. (Example: X08=8 m)

#### 

#### Model/specs

		Motor				Accelera	tion (*1)	Payload	(*1, *2)	
Model	Encoder type	output	Lead (mm)		Stroke Speed H		Vertical (kg)	Horizontal (kg)	Vertical (kg)	Rated thrust (N)
		(W)	()	()		Rated Maxi- mum	Rated Maxi- mum	Rated / Maximum acceleration	Rated / Maximum acceleration	( , ,
NS-LXMXS-1-400-40-2-T2-3-4	Havinantal auli	400	40			Havimantal auli	40	Havinantal auhi	170	
NS-LXMXS-11-400-20-22-T2-3-4	Horizontal only	400	20	1300 ~ 3000	1300	0.3	Horizontal only	80	Horizontal only	340.1

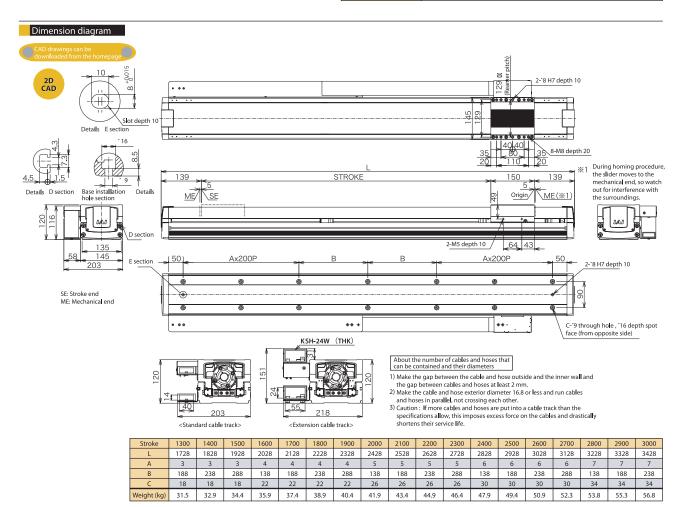
<sup>\*</sup> For the model types above, 1 is the encoder type, 2 the stroke, 3 the cable length, and 4 the options.

#### Options

Name	С	P4
Creep sensor	С	P4
Standard cable track installation direction change	CT2~CT4	P4
Extended cable track	ET1 ∼ET4	P4
Limit switch	L	P4

#### Common specifications

Drive type	Ball screw <sup>-</sup> 20 mm Equivalent to C5 form rolled					
Repeatability	Absolute specifications $\pm 0.01$ mm/Incremental specifications $\pm 0.02$ mm					
Back <b>l</b> ash	.02 mm max.					
Guide	Base one-piece model					
Permitted load moment	Ma:104.9N m M b:149.9N m M c:248.9N m					
Extension load length	Ma direction: 750 mm max. Mb, Mc directions: 750 mm max.					
Base	Material: Aluminum, white treated alumite					
Cable length (*3)	N: No cable S: 3m M:5m X: Length specified					
Usage ambient temperature	0-40∫ C, 85% RH max. (no condensation allowed)					



Adaptive controller	Maximum number of axes controlled	Connectable encoder types	Operation method	Power supply voltage
X-SEL-P/Q	6 axes		Program	Three phase/ single phase 200 VAC
SSEL	2 axes	Absolute/ incremental	riogiani	Single phase
SCON	1 axis		Positioner pulse string control	100/200 VAC



- Note 1: The maximum acceleration is 0.3 G.
- Note 2: The payload is the value when operating at the maximum speed.
- Note 3: The maximum cable length is 30 m. When specifying the length, enter in meters. (Example: X08=8 m)

#### Single-axis robot nut rotation type, Main unit width 145mm 400W Vertical specifications, single slider — LZMS — Model item NS T2 Cable length N:None S:3m M:5m X:Length specified Encoder type A: Absolute 400:400W I: Incremental Series Туре Stroke Adaptive Options See the controller T2:SCON SSEL XSEL-P/Q 40:40mm 500:500mm option price table below. 1000:1000mm

#### Model/specs

					Acceleration (*1)			Payload (*1, *2)					
Model	Encoder type	Motor output (W)	Lead (mm)		Stroke (mm)	Maximum speed (m/s)	Horizontal (G)			Horizontal (kg)	Vertic	al (G)	Rated thrust (N)
		000,000 (117)	()			Rated Maxi- mum	Rated	Maxi- mum	Rated / Maximum acceleration	Rated / N accele		(1.1)	
NS-LZMS-11-400-40-22-T2-33-B-4	Absolute Incremental	400	20	500 ~1000	1000	For vertical only	0.3	0.8	For vertical only	16	6.0	340.1	

<sup>\*</sup>For the model types above, 1 is the encoder type, 2 the stroke, 3 the cable length, and 4 the options.

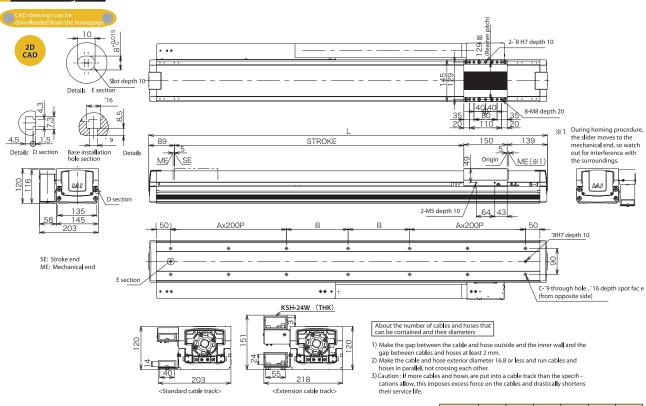
#### Options

Name	Model	See Page	Remarks
Brakes	В	P4	Standard equipment
Creep sensor	С	P4	
Standard cable track installation direction change	CT2~CT4	P4	
Extended cable track	ET1∼ET4	P4	
Limit switch	L	P4	

#### Common specifications

Drive type	Ball screw - 20 mm Equivalent to C5 form rolled					
Repeatability	Absolute specifications ±0.01 mm/Incremental specifications ± 0.02 mm					
Backlash	0.02 mm max.					
Guide	Base one-piece model					
Permitted load moment	Ma:104.9N m Mb:149.9N m Mc:248.9N m					
Extension load length	Ma direction: 750 mm max. Mb, Mc directions: 750 mm max.					
Brakes	Non-excitation operation electromagnetic brakes standard equipment					
Base	Material: Aluminum, white treated alumite					
Cable length (*3)	I: No cable S: 3m M: 5m X: Length specified					
Usage ambient temperature	0-40∫ C, 85% RH max. (no condensation allowed)					

#### Dimension diagram



Stroke	500	600	700	800	900	1000
L	878	978	1078	1178	1278	1378
А	1	1	1	2	2	2
В	163	213	263	113	163	213
C	10	10	10	14	14	14
Weight (kg)	19.9	21.4	22.9	24.4	25.9	27.4

Adaptive controller	Maximum number of axes contro <b>ll</b> ed	Connectable encoder types	Operation method	Power supply voltage
X-SEL-P/Q	6 axes		Du	Three phase/ single phase
SSEL	2 axes	Absolute/ incremental	Program	200 VAC
SCON	1 axis		Positioner pulse string control	Single phase 100/200 VAC



- Note 1: For details on the relationship between the acceleration and the payload, see Page 3.
- Note 2: The payload is the value when operating at the maximum speed.
- Note 3: The maximum cable length is 30 m. When specifying the length, enter in meters. (Example:  $\,$  X08=8 m)

#### Single-axis robot nut rotation type, Main unit width 145 mm 400W Vertical specification multi-slider — LZMM — [ Model item NS \_\_ **400** \_\_ [ **T2** Adaptive contro**ll**er T2:SCON SSEL Cab**l**e **l**ength Туре Encoder type Motor type A: Absolute 400:400W Stroke Options Cable len N:None S:3m M:5m X:Length specified Option table below Reference 20:20mm 250:250mm I: Incremental 950:950mm XSEL-P/Q

#### Model/specs

		Motor			Speed	Acceleration (*1)		Payload (*1, *2)					
Model	Encoder type	output	Lead (mm)				Horizontal (G)	Vertic	:al (G)	Horizontal (G)	Vertic	al (G)	Rated propulsion
		(W)	(11111)	(mm/s)	Ratings Maxi- mum	Ratings	Maxi- mum	Ratings / Maximum acceleration		Maximum ration			
NS-LZMM-11-400-20-21-T2-33-B-4	Absolute Incremental	400	20	250 ~ 950	1000	Vertical only	0.3	0.8	Vertical only	16	6.0	340.1	

<sup>\*</sup> For the model type above, 1 is the encoder type, 2 the stroke, 3 the cable length, and 4 the options.

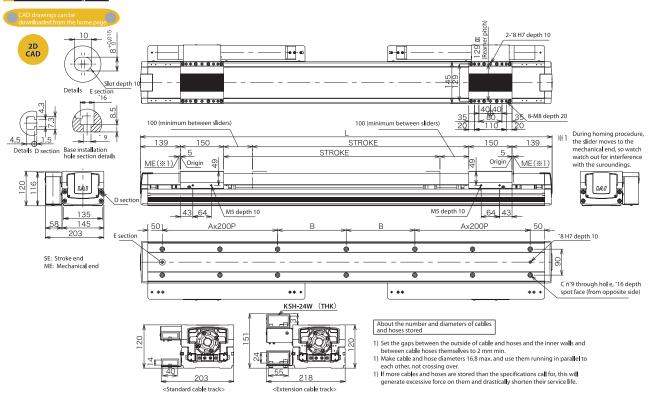
#### Options

Name	Model	Reference page	Remarks
Brakes	В	P4	Standard equipment
Creep sensor	С	P4	
Extended cable pair	ET1	P4	
Limit switch	L	P4	

#### Common specifications

Drive type	Ball screw <sup>-</sup> 20 mm Equivalent to C5 form rolled					
Repeatability	Absolute specifications $\pm 0.01$ mm/Incremental specifications $\pm 0.02$ mm					
Backlash	0.02 mm max.					
Guide	ase one-piece model					
Permitted load moment	Ma:104.9N m Mb:149.9N m M c:248.9N m					
Extended load length	Ma direction: 750 mm max. Mb, Mc direction: 750 mm max.					
Brakes	Non-excitation operating electromagnetic brakes standard					
Base	Material: Aluminum, white treated alumite					
Cable length (*3)	N: No cable S: 3m M: 5m X: Length specified					
Usage temperature	0-40∫ C, 85% RH max. (no condensation allowed)					

#### Dimensional diagam



Stroke	250	350	450	550	650	750	850	950
L	928	1028	1128	1228	1328	1428	1528	1628
Α	1	1	1	2	2	2	2	3
В	188	238	288	138	188	238	288	138
С	10	10	10	14	14	14	14	18
Weight (kg)	27.1	28.8	30.5	32.2	34	35.7	37.4	39.2

Adaptive controller	Maximum number of axes contro <b>ll</b> ed	Connectable encoder types	Operation dimensions	Power supply voltage
X-SEL-P/Q	6 axes		Program	3-phase/1- phase, 200
SSEL	2 axes	Absolute/ incremental	riogiani	VAC
SCON	1axis		Positioner pulse string control	Single phase AC, 100/200 V



- Note 1: For the relationship between the acceleration and the payload, see Page 3.
- Note 2: The payload is the value when operating at the maximum speed.
- Note 3: The maximum cable length is 30 m. Enter the length specification in meters. (Example: X08=8 m)

## Controller specifications \_\_\_\_

				XS	XSEL		
	Controller series type	SCON	SSEL	<b>P</b> (Standard) Type	<b>Q</b> (Global) Type		
Basic specifications	Appearance	Appearance					
	Power supply capacity	844 VA	1660 VA max. (for 400W, 2-axis operation)	4998 VA max. (for 2400W, 6-axis operation)			
	Insulation resistance	500 VDC, 1	00 M min.	500 VDC, 10 M min.			
	Withstand voltage	1500 VAC for	r one minute	2500 VAC for one minute	1500 VAC for one minute		
	Input power supply	Single phase 200 VAC	Single phase 100 VAC Single phase 200 VAC	Three-phase 200 VAC Single phase 200 VAC			
	Within operating power supply voltage		±1:	0%			
	Maximum connected total axis output (W) 750W (200V power sup specifications)		400W (100V power supply specifications) 800W (200V power supply specifications)	2400W (for three-phase power) 1600W (for single-phase power)			
	Maximum number of axes controlled	1 axis	2 axis	6 axis			
Suc	Position detection technique			er/absolute encoder			
catic	Safety circuit configuration		ot possible	Duplex not possible	Duplexing possible		
ecifi	Drive power cut-off	Internal re	lay cut-off	Internal relay cut-off	External safety circuit		
Control specifications	Enable input	B conta (Internal pow	ct input ver feed type)	B contact input (internal power feed type)	B contact input (External power feed type, duplex)		
8	Speed setting		1 mm/s ñ upper limit, whic	h depends on the actuator			
	Acceleration setting						
	Operation technique	Positioner operation Pulse string control  Positioner operation (Switchable)		Program operation only			
	Program language	_		Super SEL language			
	Program count	=		64			
	Program step count	-	2000	6000			
	Multi-task program count	- 8		1	16		
	Position count	512 max.	1500	40	000		
rogram	Data storage device	EEPROM	Flash ROM (Optional SRAM battery backup)	Flash ROM + SRAM battery backup			
Proc	Data input device (Option)	Teaching box Models: RCM-T/TD/E/P Software for PC Model: RCM-101-MW (for RS232 communications) RCM-101-USB (for USB communications)	Teaching box Models: IA-T-X-J, IA-T-XD-J Software for PC Model: IA-101-X-MW-J (for RS232 communications) IA-101-USB (for USB communications)	Teaching box Models: IA-T-X, IA-T-XD Software for PC Model: IA-101-X-MW (for RS232 communications) IA-101-X-USB (for USB communications)	Teaching box Model: IA-T-XA Software for PC Model: IA-101-XA-MW (for RS232 communications) Safety category support (with cable)		
ions	Standard I/O	16 inputs/16 outputs (NPN/PMP selectable)	24 inputs/8 outputs (NPN/PMP selectable)	32 inputs/16 outputs (NPN/PMP selectable)			
nicat	Expanded I/O	Not po	ossible	192 inputs max./192 outputs max.			
Input/output communications	Serial communications functions	Teaching port (RS485)	Teaching port (RS232C) USB connector	Teaching port (RS232C) 2ch RS232C port			
	Other I/O	System I/O (Emergency stop input, brake power supply)	System I/O (Emergency stop input, brake power supply)	System I/O (Emergency stop input, enable input, ready output)			
	Field network	DeviceNet, CC-Link, ProfiBus	(Future support planned) DeviceNet, CC-Link, ProfiBus, Ethernet		k, ProfiBus, Ethernet		
Su	Protection functions	Motor over	rcurrent, motor driver temperature check, overload check, encoder open line check, software limit over, system abnormality, battery abnormality, other				
catio	Usage ambient temperature and humidity	0-40∫ C, 10-95% (no condensation allowed)					
ecific	Usage ambient atmosphere		There must be no corrosive gas and	d dust must not be particularly bad.			
General specifications	External dimensions	72(W)\00000200.5(H)\0000121(D)	72(W)\0200.5(H)\0121(D)				
Gen	Weight	1.1kg	1.4kg	5.7 kg (for 6-axis absolute specifications)			
~	,						

#### Motor cable (for XSEL-J/K/P/Q, SSEL, SCON)

#### Model CB-X-MA

\*Enter the while length (i) at \_\_\_\_, Up to 30 meters is supported. Example: 050–8 m



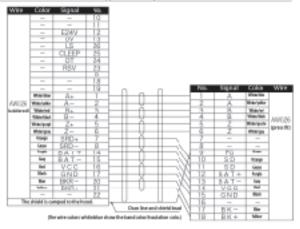


#### Encoder cable (for XSEL-P/Q, SSEL, SCON)

#### Model CB-X2-PA



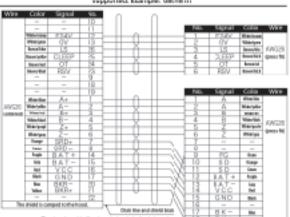
Enter the caple length (L) at \_\_\_\_. Up to 30 meters is supported. Example: 080-6 m



#### Encoder cable (for XSEL-P/Q、SSEL、SCON, specifications with limit switch, for connection)

#### Model CB-X2-PLA





'Enter the caple length (L) if

. Up to 30 meters is

