

# MXYx 2 axes



● Arm type ● Cable carrier

## Ordering method

**MXYx - C**

Model	Cable	Combination	X-axis stroke	Y-axis stroke	Cable
A1			25 to 125cm	15 to 65cm	3L: 3.5m
A2					5L: 5m
A3					10L: 10m
A4					

**RCX320-2** **R**

Controller / Number of controllable axes	Safety standard	Regenerative unit	Option A (OP.A)	Option B (OP.B)	Vision System	Absolute battery
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Specify various controller setting items. RCX320 ▶ **P.548**

**RCX222** **R**

Controller	Usable for CE	Regenerative unit	I/O selection 1	I/O selection 2
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Specify various controller setting items. RCX222 ▶ **P.558**

## Specification

	X-axis	Y-axis
<b>Axis construction</b> <small>Note 1</small>	F17	F14H
<b>AC servo motor output (W)</b>	400	200
<b>Repeatability</b> <small>Note 2</small> (mm)	+/-0.01	+/-0.01
<b>Drive system</b>	Ball screw φ20	Ball screw φ15
<b>Ball screw lead</b> <small>Note 3</small> (Deceleration ratio) (mm)	20	20
<b>Maximum speed</b> <small>Note 4</small> (mm/sec)	1200	1200
<b>Moving range (mm)</b>	250 to 1250	150 to 650
<b>Robot cable length (m)</b>	Standard: 3.5 Option: 5,10	

Note 1. Use caution that the flame machining (installation holes, tap holes) differs from single-axis robots.  
 Note 2. Positioning repeatability in one direction.  
 Note 3. Leads not listed in the catalog are also available. Contact us for details.  
 Note 4. When the X-axis stroke is longer than 850mm, 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.

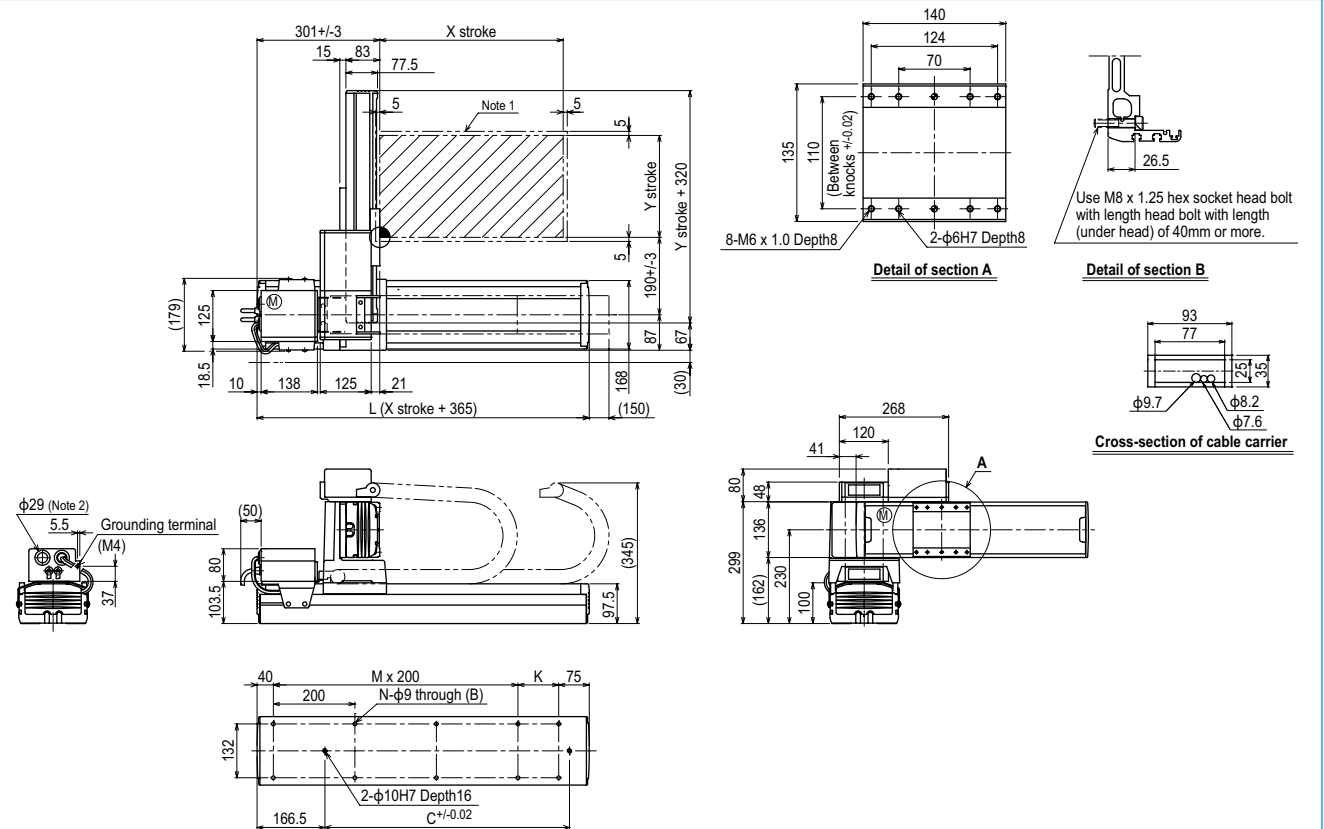
## Maximum payload (kg)

Y stroke (mm)	XY 2 axes
150	30
250	30
350	25
450	20
550	20
650	16

## Controller

Controller	Operation method
RCX320-R	Programming / I/O point trace / Remote command / Operation using RS-232C communication
RCX222-R	

## MXYx 2 axes A1



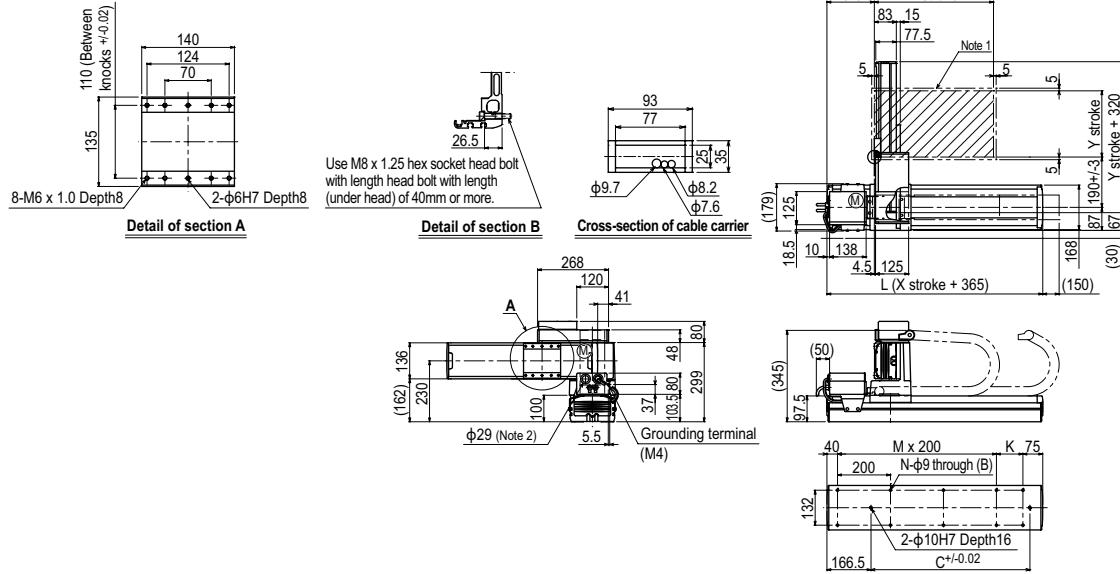
X stroke	250	350	450	550	650	750	850	950	1050	1150	1250
<b>L</b>	615	715	815	915	1015	1115	1215	1315	1415	1515	1615
<b>K</b>	100	200	100	200	100	200	100	200	100	200	100
<b>C</b>	240	420	600	600	780	780	960	960	1140	1140	1320
<b>M</b>	2	2	3	3	4	4	5	5	6	6	7
<b>N</b>	8	8	10	10	12	12	14	14	16	16	18
<b>Y stroke</b>	150	250	350	450	550	650					
<b>Maximum speed for each stroke (mm/sec)</b> <small>Note 3</small>	X-axis		1200				960	840	720	600	480
<b>Speed setting</b>			-				80%	70%	60%	50%	40%

Note 1. The moving range when returning to origin and the stop position when stopping by the mechanical stopper.  
 Note 2. User cable extraction port.

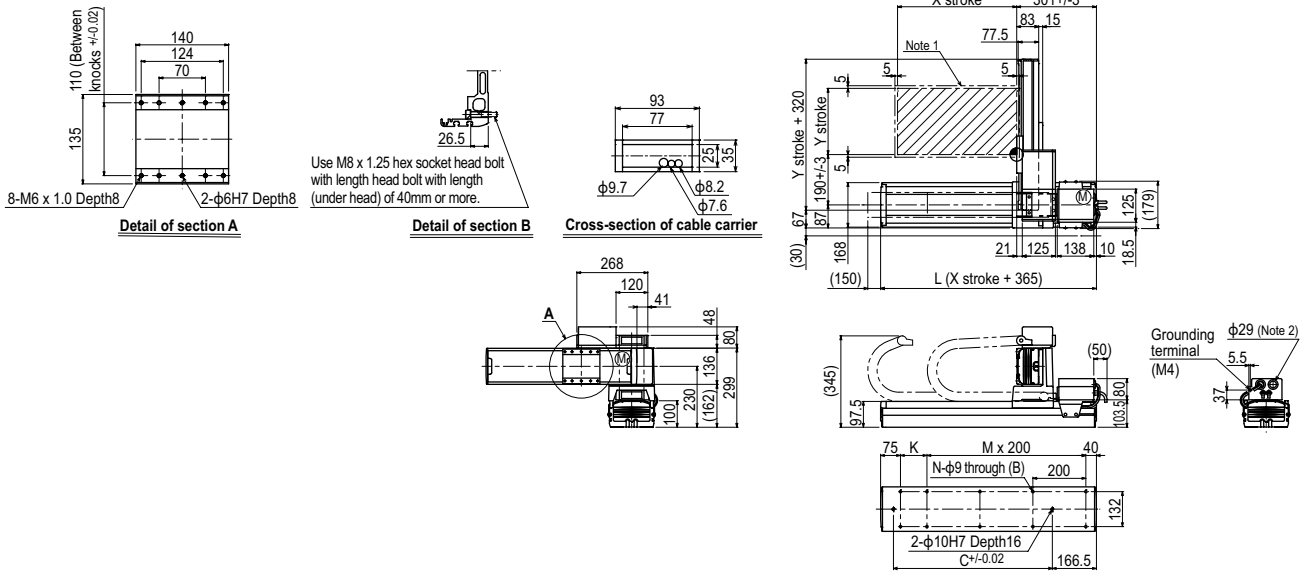
Note 3. When the X-axis stroke is longer than 850mm, resonance of the ball screw may occur depending on the operation conditions (critical speed). In this case, reduce the speed setting on the program by referring to the maximum speeds shown in the table at the left.

Articulated robots	YA
Linear conveyor modules	LCM100
Motor-less single axis actuator	Robonity
Compact single-axis robots	TRANSEVO
Single-axis robots	FLIP-X
Linear motor single-axis robots	PHASER
Cartesian robots	XY-X
SCARA robots	YK-X
Pick & place robots	YP-X
CLEAN	
CONTROLLER	
INFORMATION	
Arm type	
Gantry type	
Moving arm type	
Pole type	
XZ type	

MXyX 2 axes **A2**



MXyX 2 axes **A3**



MXyX 2 axes **A4**

