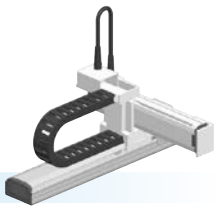
MXYx 2 axes

Moving arm type | Cable carrier



Ordering method

MXYx - C | Model | Cable | Combination (M1, M3) | X-axis stroke (25 to 125cm) | Y-axis stroke (15 to 55cm) | Cable (3L: 3.5m, 5L: 5m, 10L: 10m)

RCX320-2 | Controller / Number of controllable axes | Safety standard | Regenerative unit | Option A (OP.A) | Option B (OP.B) | Vision System | Absolute battery

Specify various controller setting items. RCX320 ▶ P.660

RCX222 | Controller | Usable for CE | Regenerative unit | I/O selection 1 | I/O selection 2

Specify various controller setting items. RCX222 ▶ P.670

Specification

	X-axis	Y-axis
Axis construction Note 1	F17	F14H
AC servo motor output (W)	400	200
Repeatability Note 2 (mm)	+/-0.01	+/-0.01
Drive system	Ball screw ϕ20	Ball screw ϕ15
Ball screw lead Note 3 (Deceleration ratio) (mm)	20	20
Maximum speed Note 4 (mm/sec)	1200	1200
Moving range (mm)	250 to 1250	150 to 550
Robot cable length (m)	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.

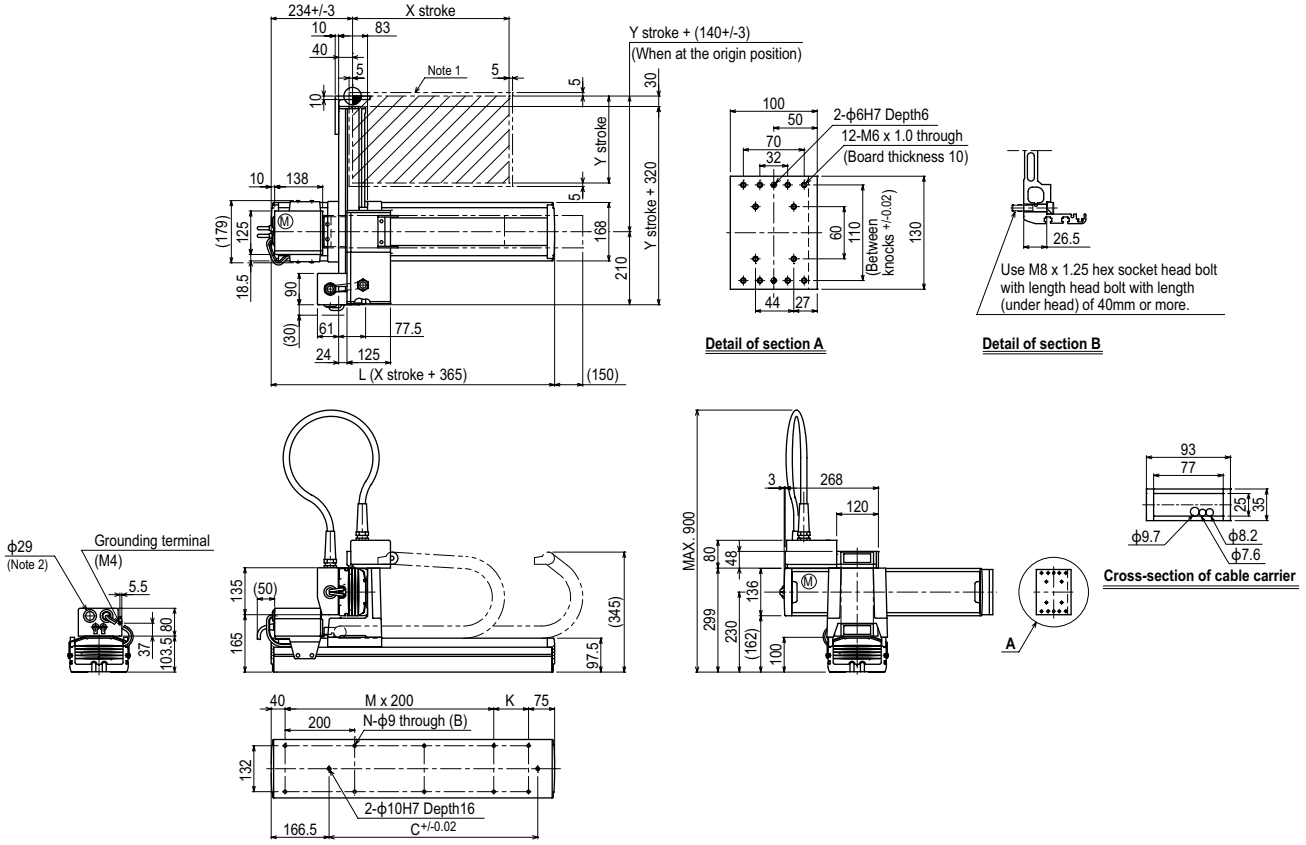
Maximum payload (kg)

Y stroke (mm)	XY 2 axes
150 to 550	20

Controller

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

MXYx 2 axes M1

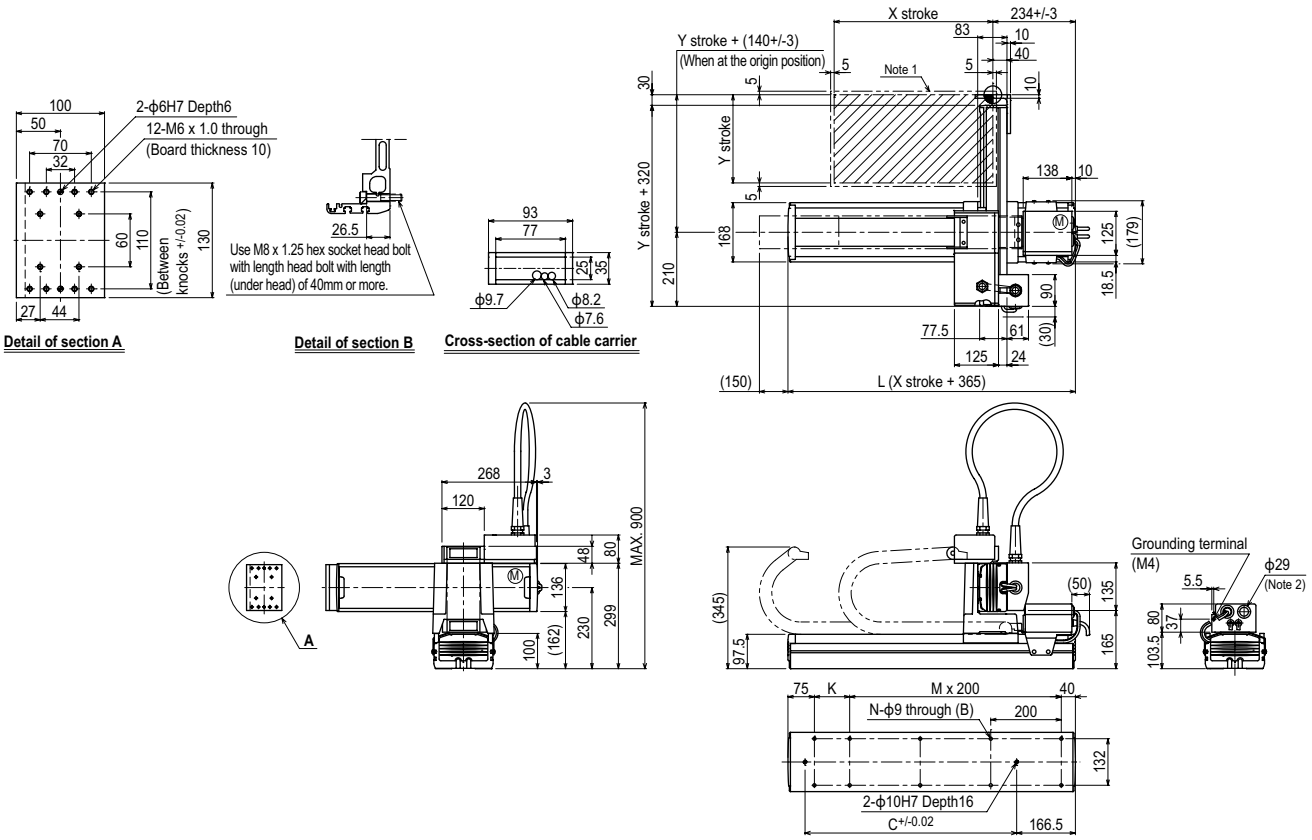


X stroke	250	350	450	550	650	750	850	950	1050	1150	1250
L	615	715	815	915	1015	1115	1215	1315	1415	1515	1615
K	100	200	100	200	100	200	100	200	100	200	100
D	240	420	600	600	780	780	960	960	1140	1140	1320
M	2	2	3	3	4	4	5	5	6	6	7
N	8	8	10	10	12	12	14	14	16	16	18

Y stroke	150	250	350	450	550						
Maximum speed for each stroke (mm/sec) Note 3 — X-axis	1200					960	840	720	600	480	
Maximum speed for each stroke (mm/sec) Note 3 — Speed setting	–					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.

MXYx 2 axes M3



X stroke	250	350	450	550	650	750	850	950	1050	1150	1250
L	615	715	815	915	1015	1115	1215	1315	1415	1515	1615
K	100	200	100	200	100	200	100	200	100	200	100
D	240	420	600	600	780	780	960	960	1140	1140	1320
M	2	2	3	3	4	4	5	5	6	6	7
N	8	8	10	10	12	12	14	14	16	16	18

Y stroke	150	250	350	450	550
Maximum speed for each stroke (mm/sec) Note 3 — X-axis	1200				
Maximum speed for each stroke (mm/sec) Note 3 — Speed setting	–				

X stroke	850	950	1050	1150	1250
Maximum speed for each stroke (mm/sec) Note 3 — X-axis	960	840	720	600	480
Maximum speed for each stroke (mm/sec) Note 3 — Speed setting	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.