MXYx 2 axes

Pole type Whipover

Ordering method

MXYx -	S -	P1 -	[ ] -	[ ] -	[ ] -	RCX222 -	[ ] -	R -	[ ] -	[ ]
Model	Cable	Combination	X-axis stroke Note 1	Y-axis stroke Note 1	Cable	Controller	Usable for CE	Regeneratine unit	Input/Output selection 1	Input/Output selection 2
			25 to 95cm	15 to 65cm	3L: 3.5m 5L: 5m 10L: 10m	RCX222	No entry: Standard E: CE marking	R: RG2	N: NPN Note 2 P: PNP CC: CC-Link DN: DeviceNet™ PB: PROFIBUS EN: Ethernet YC: YC-Link Note 3	No entry: None N1: OP.DIO24/16 (NPN) Note 2 P1: OP.DIO24/17 (PNP) EN: Ethernet Note 4

Note 1. The total of the X and Y strokes should be 1100mm or less.
Note 2. NPN cannot be selected if using CE marking.
Note 3. Available only for the master. See P.68 for details on YC-Link system.
Note 4. Only when CC or DN or PB was selected for I/O select 1 above. EN can be selected in I/O select 2.

Specification

	X-axis	Y-axis
Axis construction Note 1	F17	F14H-BK
AC servo motor output (W)	400	200
Repeatability Note 2 (mm)	+/-0.01	+/-0.01
Drive system	Ball screw	Ball screw
Ball screw lead Note 3 (Deceleration ratio) (mm)	20	10
Maximum speed Note 4 (mm/sec)	1200	600
Moving range (mm)	250 to 950	150 to 650
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.

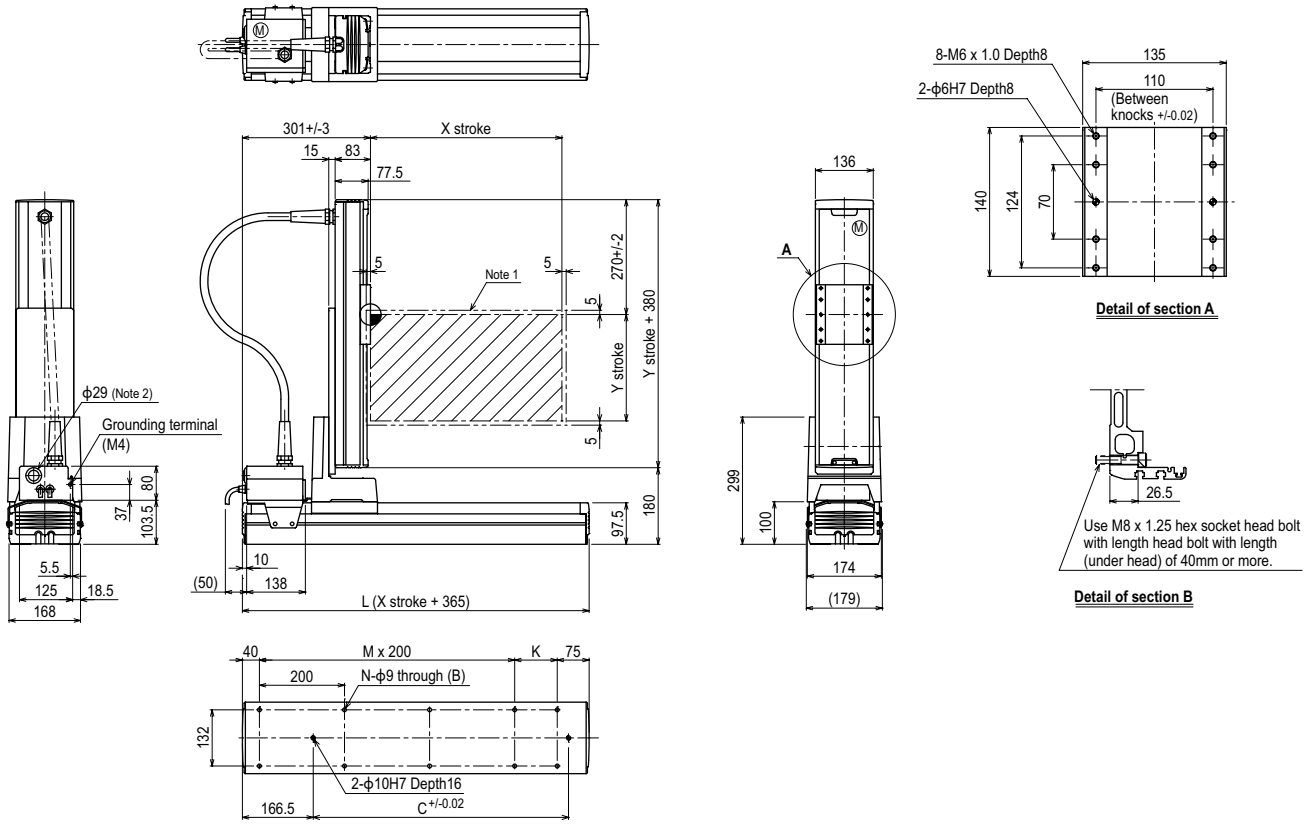
Maximum payload (kg)

Y stroke (mm)	XY 2 axes
150 to 650	20

Controller

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

MXYx 2 axes P1



X stroke Note 3	250	350	450	550	650	750	850	950
L	615	715	815	915	1015	1115	1215	1315
K	100	200	100	200	100	200	100	200
C	240	420	600	600	780	780	960	960
M	2	2	3	3	4	4	5	5
N	8	8	10	10	12	12	14	14

Y stroke Note 3	150	250	350	450	550	650

Maximum speed for each stroke (mm/sec) Note 4					
	X-axis	1200		960	840
	Speed setting	–		80%	70%

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. The total of the X and Y strokes should be 1100mm or less.
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 at the left.