

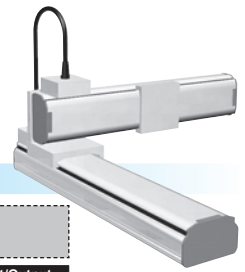
MXYx 2 axes

● Arm type ● Whipover

Ordering method

MXYx - S					RCX222		R			
Model	Cable	Combination	X-axis stroke	Y-axis stroke	Cable length	Controller	Usable for CE	Regenerative unit	Input/Output selection 1	Input/Output selection 2
A1			25 to 85cm	15 to 65cm	3L: 3.5m (Standard) 5L: 5m 10L: 10m	RCX222 DRCX2010	No entry: Standard E: CE marking	R: RG2 (RCX222) R: RGU-2 (DRCX)	N: NPN ^{Note 1} P: PNP CC: CC-Link DN: DeviceNet PB: Profibus EN: Ethernet ^{Note 1} YC: YC-Link ^{Note 2}	No entry: None N1: OP.DIO24/16 (NPN) ^{Note 1} P1: OP.DIO24/17 (PNP) EN: Ethernet ^{Note 1} ^{Note 3}

Note 1. NPN and Ethernet cannot be selected if using CE marking.
 Note 2. Available only for the master.
 Note 3. 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
AC servo motor output (W)	400	200
Repeatability ^{Note 2} (mm)	+/-0.01	+/-0.01
Drive system	Ball screw (Class C7)	Ball screw (Class C7)
Ball screw lead (Deceleration ratio) (mm)	20	20
Maximum speed ^{Note 3} (mm/sec)	1200	1200
Moving range (mm)	250 to 850	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. 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.

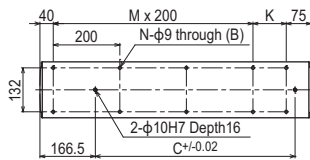
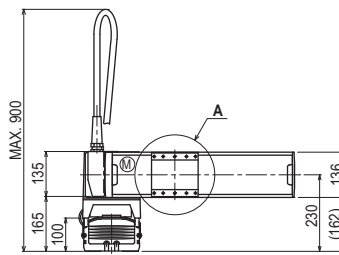
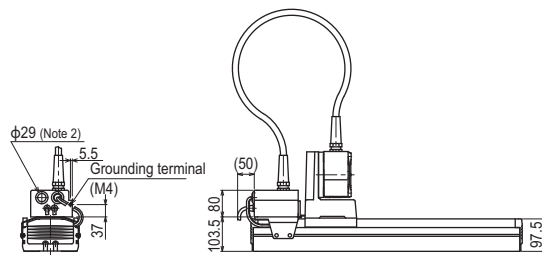
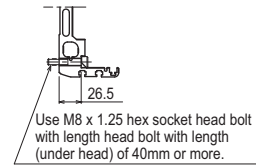
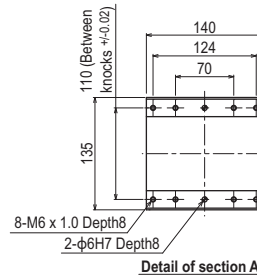
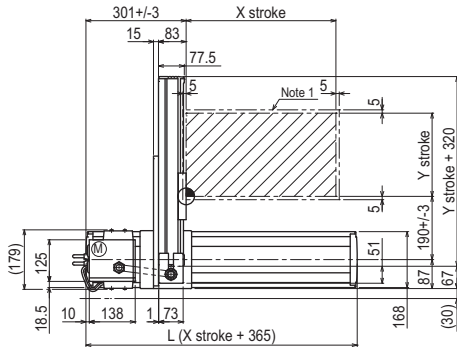
Maximum payload (kg)

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

Controller

Controller	Operation method
RCX222-R	Programming / I/O point trace / Remote command / Operation using RS-232C communication
DRCX2010-R	

MXYx 2 axes A1



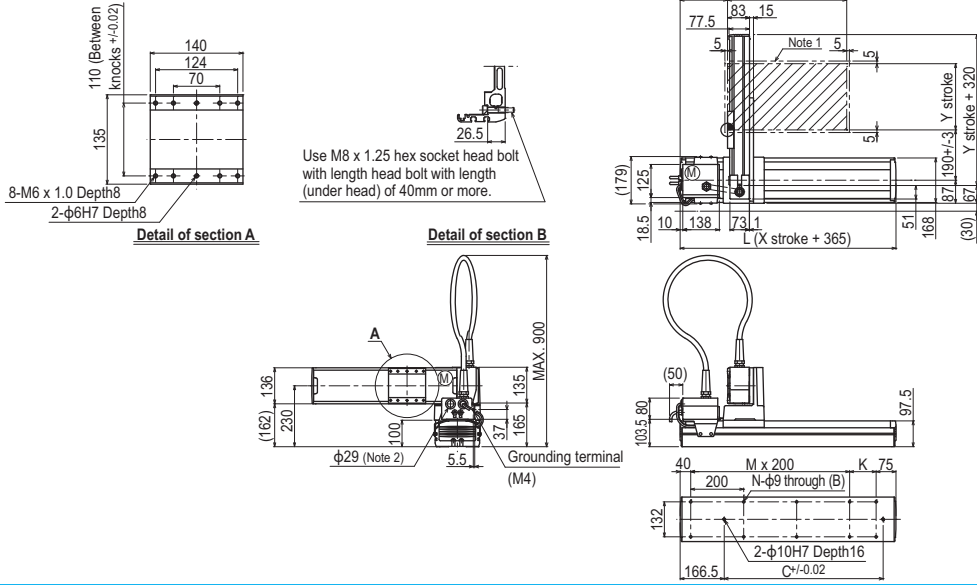
X stroke	250	350	450	550	650	750	850
L	615	715	815	915	1015	1115	1215
K	100	200	100	200	100	200	100
C	240	420	600	600	780	780	960
M	2	2	3	3	4	4	5
N	8	8	10	10	12	12	14
Y stroke	150	250	350	450	550	650	
Maximum speed for each stroke (mm/sec) ^{Note 3}	X-axis		1200				960
Speed setting			-				80%

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.

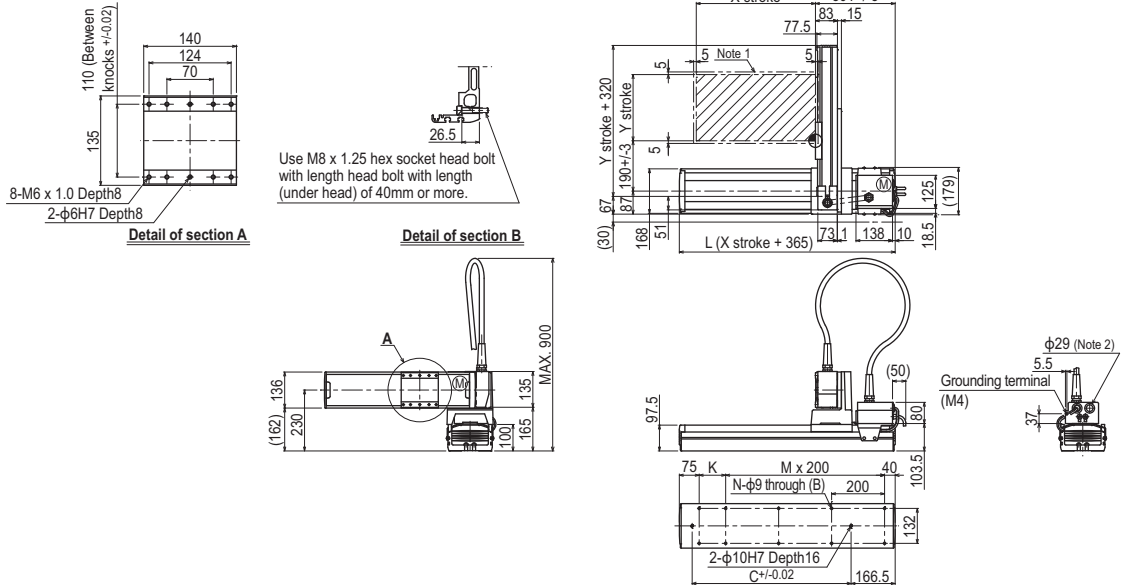
Note 3. When the X-axis stroke is longer than 850mm, resonance of the ball screw may occur depending on the operation conditions (critical speed). In this case, reduce the speed setting on the program by referring to the maximum speeds shown in the table at the left.

APPLICATION
 TRANSERO
 FLIP-X
 PHASER
 XY-X
 YK-XG
 YP-X
 CLEAN
 CONTROLLER INFORMATION
 Arm type
 Gantry type
 Moving arm type
 Pole type
 XZ type

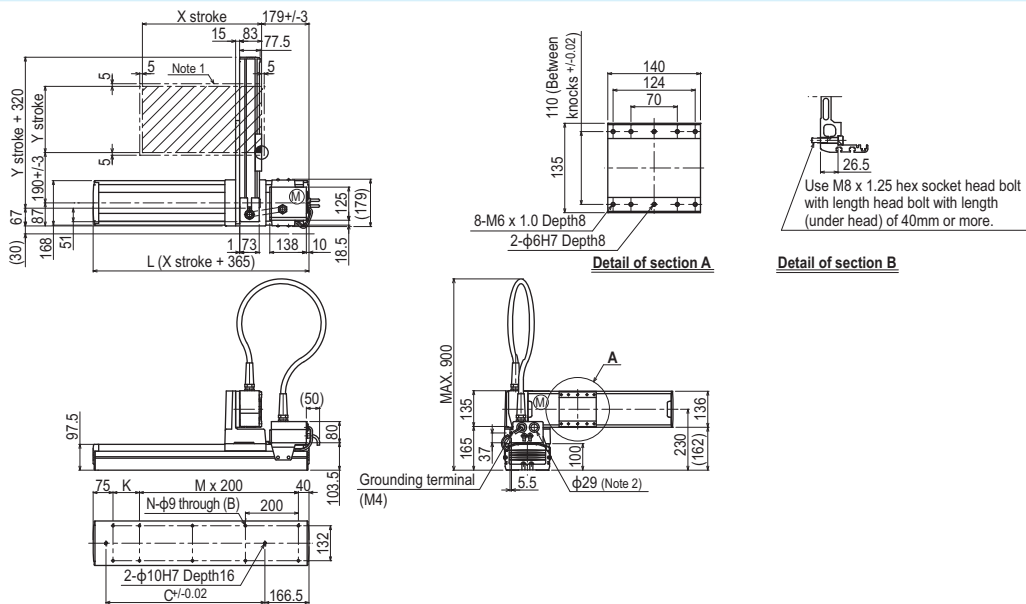
MXYx 2 axes **A2**



MXYx 2 axes **A3**



MXYx 2 axes **A4**



APPLICATION	Compact single-axis robots
TRANSERO	Single-axis robots
FLIP-X	Linear motor single-axis robots
PHASER	Cartesian robots
XY-X	SCARA robots
YK-XG	Pick & place robots
YP-X	CLEAN
CONTROLLER	INFORMATION
Arm type	Gantry type
Moving arm type	Pole type
XZ type	