

Ordering method

MXYx - C [] [] **ZFH** [] [] [] []

Model [] **Cable** [] **Combination** [] **X-axis stroke** [] **ZR-axis** [] **Z-axis stroke** [] **Cable** []

RCX320-2 [] [] **R** [] [] [] [] [] [] []
RCX222 [] [] **R** [] [] [] [] [] [] []

Specify various controller setting items. RCX320 ▶ P.548
Specify various controller setting items. RCX222 ▶ P.558

Specification

	X-axis	Z-axis
Axis construction <small>Note 1</small>	F14H	F10H-BK
AC servo motor output (W)	200	200
Repeatability <small>Note 2</small> (mm)	+/-0.01	+/-0.01
Drive system	Ball screw φ15	Ball screw φ15
Ball screw lead <small>Note 3</small> (Deceleration ratio) (mm)	20	10
Maximum speed <small>Note 4</small> (mm/sec)	1200	600
Moving range (mm)	150 to 1050	150 to 350
Robot cable length (m)	Standard: 3.5 Option: 5, 10	

Note 1. Use caution that the flange 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 750mm, 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.

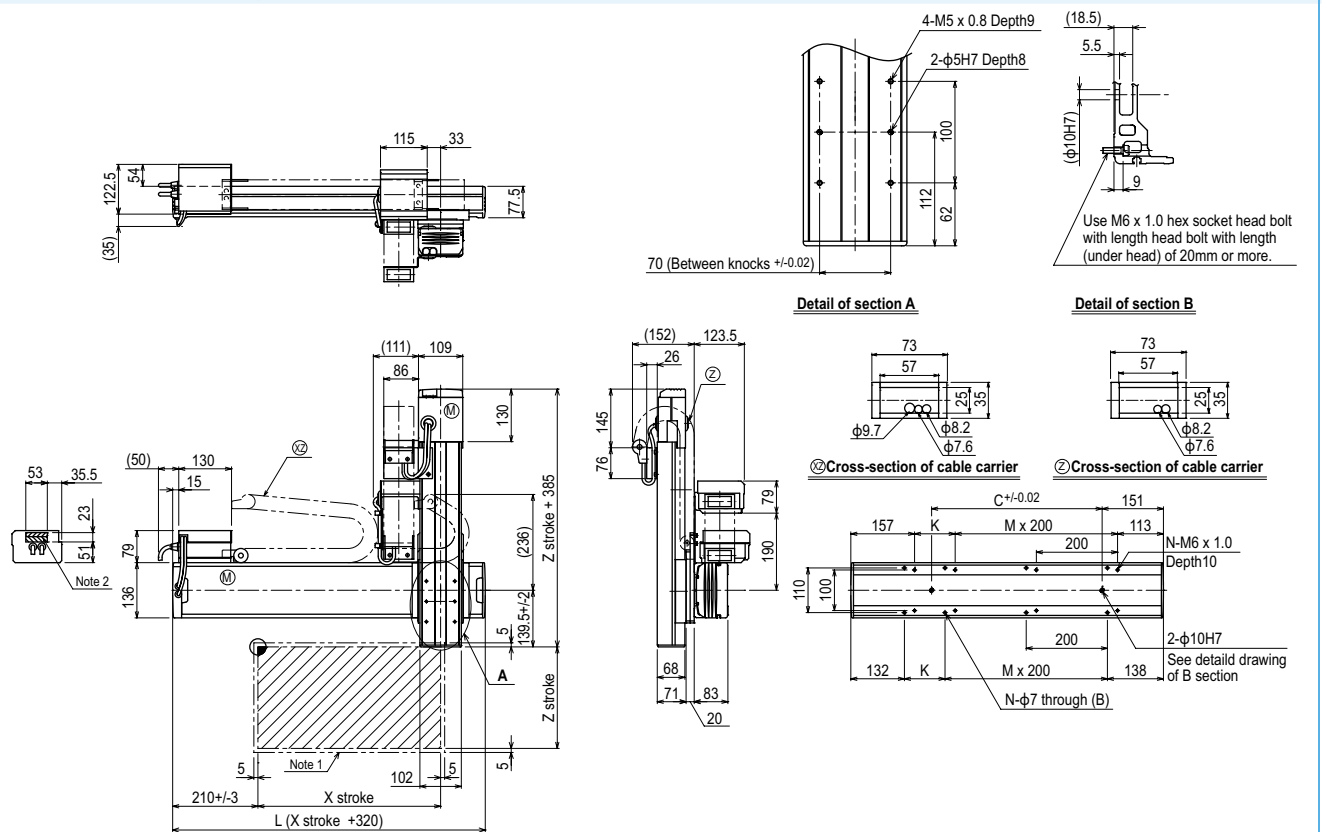
Maximum payload (kg)

	Z stroke (mm)		
X stroke (mm)	150	250	350
150 to 1050	14	13	12

Controller

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

MXYx 2 axes / ZFH (F1)



X stroke	150	250	350	450	550	650	750	850	950	1050
L	470	570	670	770	870	970	1070	1170	1270	1370
K	200	100	200	100	200	100	200	100	200	100
C	240	240	420	420	600	600	780	960	960	1140
M	0	1	1	2	2	3	3	4	4	5
N	4	6	6	8	8	10	10	12	12	14
Z stroke	150	250	350							
Maximum speed for each stroke (mm/sec) <small>Note 3</small>	X-axis		1200				960	780	600	540
Speed setting			-				80%	65%	50%	45%

Note 1. The moving range when returning to origin and the stop position when stopping by the mechanical stopper.
 Note 2. The shaded position indicates a user cable extraction port.
 Note 3. When the X-axis stroke is longer than 750mm, 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