

Ordering method

SXYx - S [] [] [] **ZF** [] [] **RCX340-3** [] [] [] [] [] [] [] [] [] []

Model	Cable	Combination	X-axis stroke	Y-axis stroke	ZR-axis	Z-axis stroke	Cable	Controller / Number of controllable axes	Safety standard	Option A (OP.A)	Option B (OP.B)	Option C (OP.C)	Option D (OP.D)	Option E (OP.E)	Absolute battery
A1			15 to 85cm	15 to 65cm		15 to 35cm	3L: 3.5m 5L: 5m 10L: 10m								
A2															
A3															
A4															

Specify various controller setting items. RCX340 ▶ **P.566**

Specification

	X-axis	Y-axis	Z-axis
Axis construction ^{Note 1}	F14H	F14	F10-BK
AC servo motor output (W)	200	100	100
Repeatability ^{Note 2} (mm)	+/-0.01	+/-0.01	+/-0.01
Drive system	Ball screw φ15	Ball screw φ15	Ball screw φ15
Ball screw lead ^{Note 3} (Deceleration ratio) (mm)	20	20	10
Maximum speed ^{Note 4} (mm/sec)	1200	1200	600
Moving range (mm)	150 to 850	150 to 650	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.

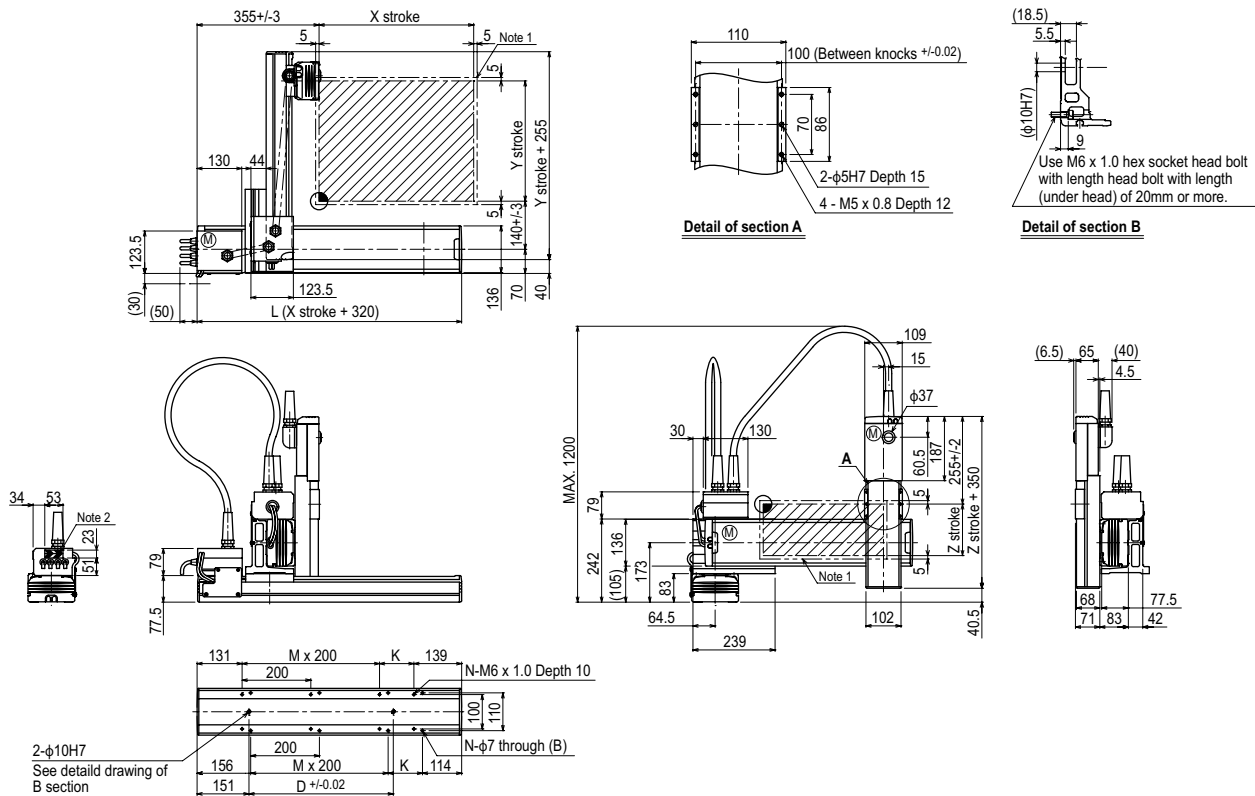
Maximum payload (kg)

Y stroke (mm)	Z stroke (mm)		
	150	250	350
150	10	10	10
250	10	10	9
350	9	8	7
450	7	6	5
550	5	4	3
650	3	2	1

Controller

Controller	Operation method
RCX340	Programming / I/O point trace / Remote command / Operation using RS-232C communication

SXYx 3 axes / ZF (A1)



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
XX-X
SCARA robots
YK-X
Pick & place robots
YP-X
CLEAN
CONTROLLER INFORMATION
Arm type
Gantry type
Moving arm type
Pole type
XZ type