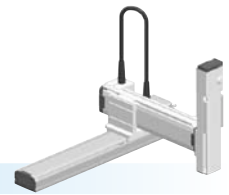


● Moving arm type

● Whipover

● Z-axis: clamped base / moving table type (200W)



Ordering method

SXYx - S [] [] [] **ZFL20** [] [] **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**

M1 15 to 85cm 15 to 35cm 3L: 3.5m 5L: 5m 10L: 10m

RCX240S [] **R** [] [] [] [] **BB**

Controller CE Marking Regenerative unit Expansion I/O Network option IVY System Gripper Battery

Specify various controller setting items. RCX340 ▶ **P494**
Specify various controller setting items. RCX240/RCX240S ▶ **P481**

Specification

	X-axis	Y-axis	Z-axis
Axis construction ^{Note 1}	F14H	F14	F10-BK equivalent guide-reinforced model
AC servo motor output (W)	200	100	200
Repeatability ^{Note 2} (mm)	+/-0.01	+/-0.01	+/-0.01
Drive system	Ball screw (Class C7)	Ball screw (Class C7)	Ball screw (Class C7)
Ball screw lead (Deceleration ratio) (mm)	20	20	20
Maximum speed ^{Note 3} (mm/sec)	1200	1200	1200
Moving range (mm)	150 to 850	150 to 350	150 to 350
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. The total of the X and Y strokes should be 1000mm or less.
 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.

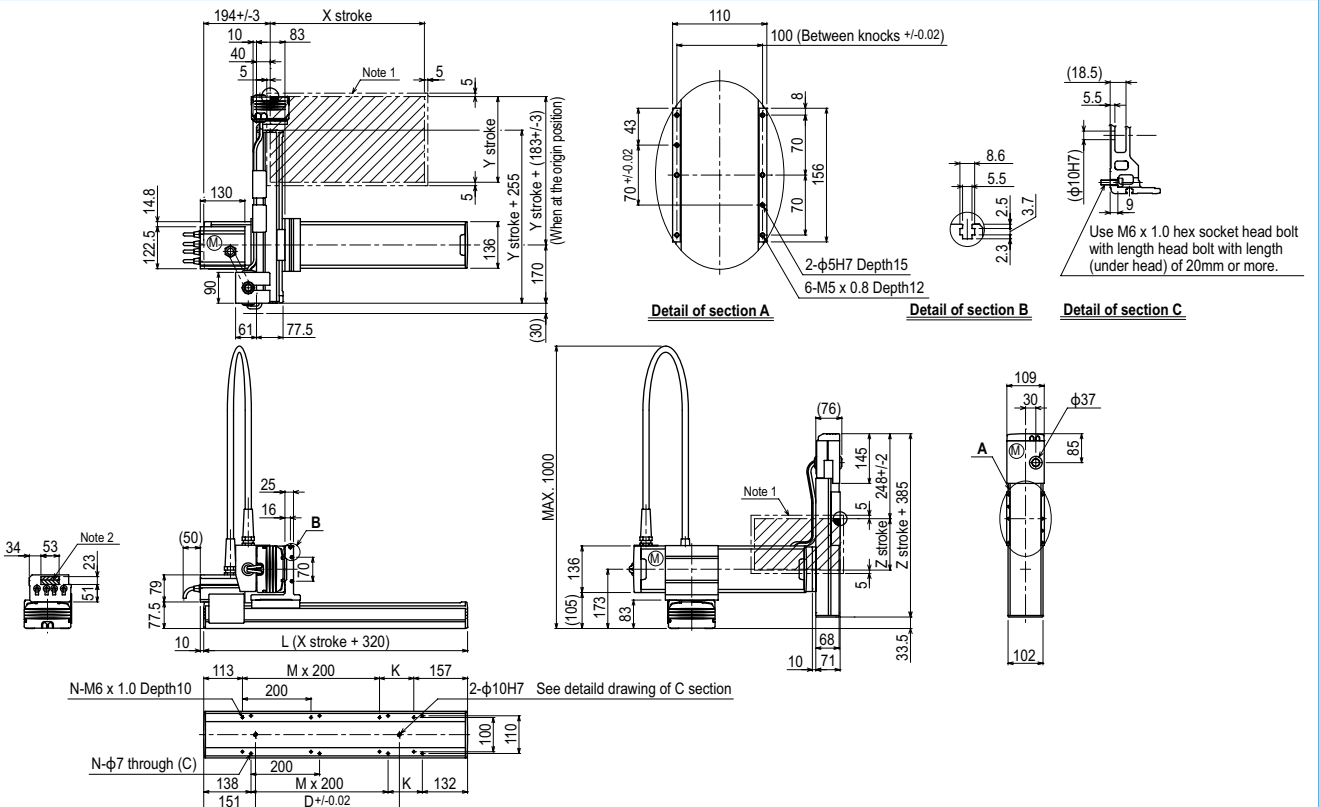
Maximum payload (kg)

Y stroke (mm)	Z stroke (mm)		
	150	250	350
150	8	8	7
250	8	7	6
350	7	6	5

Controller

Controller	Operation method
RCX340 RCX240S-R	Programming / I/O point trace / Remote command / Operation using RS-232C communication

SXYx 3 axes / ZFL20 M1



X stroke ^{Note 3}							
	150	250	350	450	550	650	850
L	470	570	670	770	870	970	1170
A	200	100	200	100	200	100	100
D	240	240	420	420	600	600	960
M	0	1	1	2	2	3	4
N	4	6	6	8	8	10	12
Y stroke ^{Note 3}		150	250	350			
Z stroke		150	250	350			
Maximum speed for each stroke (mm/sec) ^{Note 4}	X-axis	1200		960	780		
	Speed setting	-		80%	65%		

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 an user cable extraction port.

Note 3. The total of the X and Y strokes should be 1000mm or less.
 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 at the left.

APPLICATION
TRANSERO
Compact single-axis robots

FLIP-X
Single-axis robots

PHASER
Linear motor single-axis robots

XY-X
Cartesian robots

YK-X
SCARA robots

YP-X
Pick & place robots

CLEAN
CLEAN CONTROLLER INFORMATION

Arm type
Gantry type

Moving arm type

Pole type
XZ type