SXYx 2 axes

Arm type Whipover

Ordering method

SXYx - S - [Combination] - [X-axis stroke] - [Y-axis stroke] - [Cable] - RCX320-2 - [Safety standard] - [Option A (OP.A)] - [Option B (OP.B)] - [Vision System] - [Absolute battery]

Model	Cable	Combination	X-axis stroke	Y-axis stroke	Cable
		A1 A2 A3 A4	15 to 85cm	15 to 65cm	3L: 3.5m 5L: 5m 10L: 10m

Controller / Number of controllable axes	Safety standard	Option A (OP.A)	Option B (OP.B)	Vision System	Absolute battery
RCX320-2					

Specify various controller setting items. RCX320 ▶ P.626

Specification

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

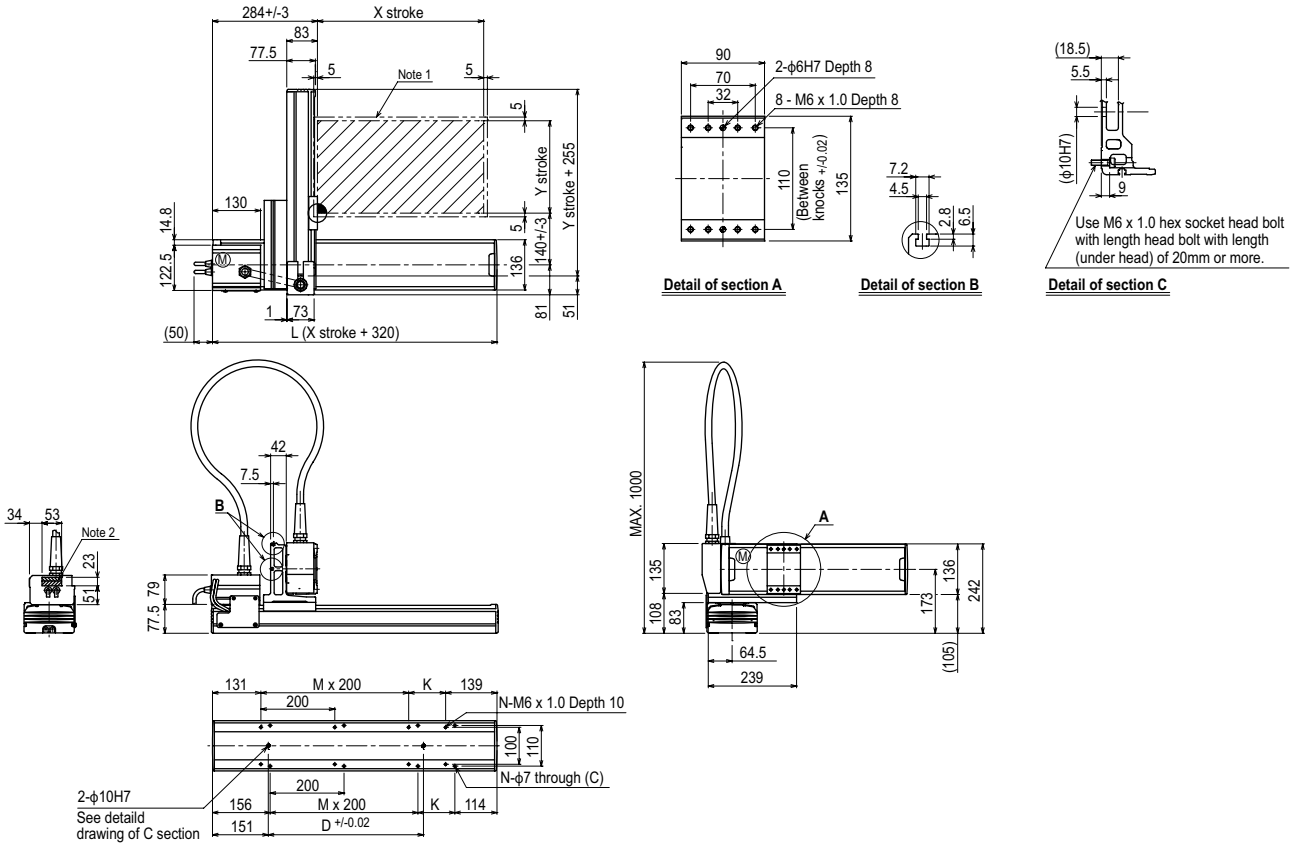
Maximum payload (kg)

Y stroke (mm)	XY 2 axes
150	20
250	17
350	15
450	13
550	11
650	9

Controller

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

SXYx 2 axes A1



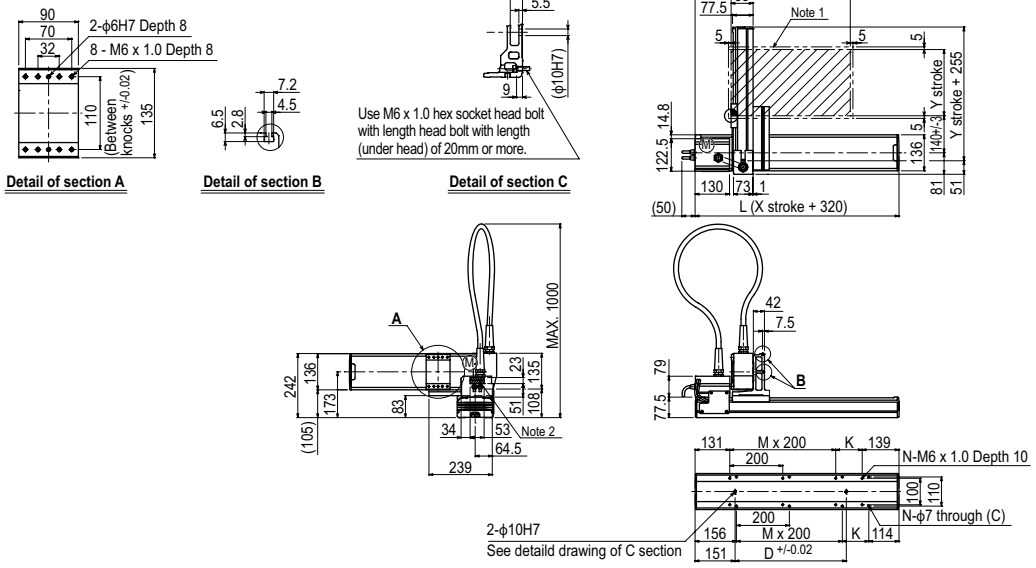
X stroke	150	250	350	450	550	650	750	850
L	470	570	670	770	870	970	1070	1170
K	200	100	200	100	200	100	200	100
D	240	240	420	420	600	600	780	960
M	0	1	1	2	2	3	3	4
N	4	6	6	8	8	10	10	12

Y stroke	150	250	350	450	550	650		
Maximum speed for each stroke (mm/sec) Note 3 — X-axis	1200						960	780
Maximum speed for each stroke (mm/sec) Note 3 — Speed setting	–						80%	65%

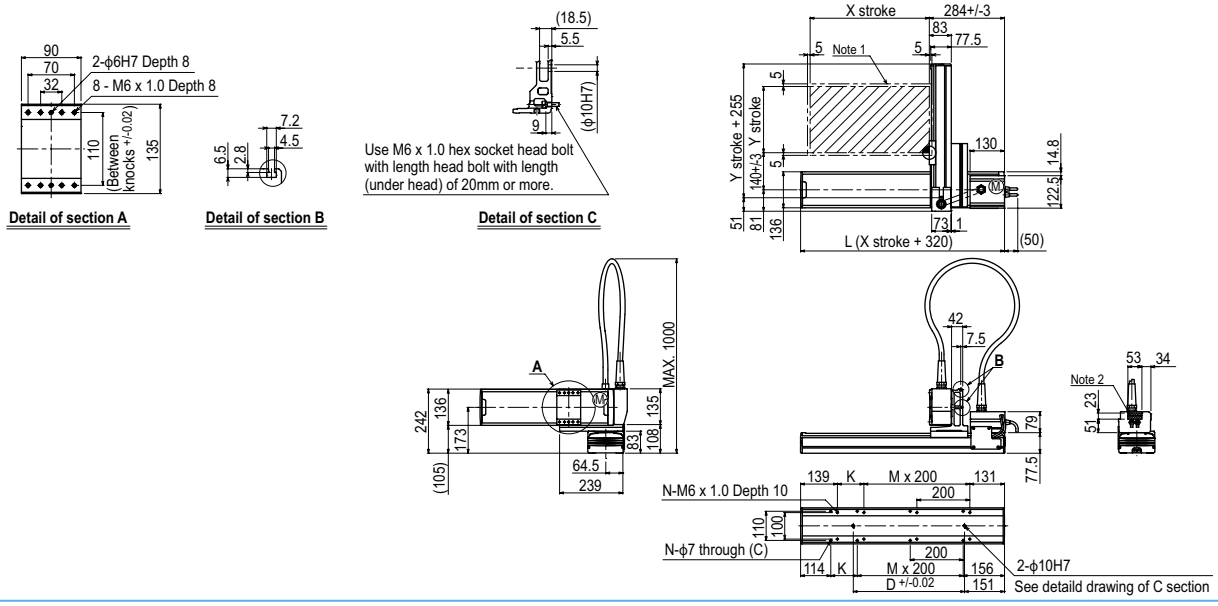
Note 1. The moving range when returning to origin and the stop position when stopping by the mechanical stopper.
Note 2. The shaded position indicates an user cable extraction port.

Note 3. 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.

SXYx 2 axes A2



SXYx 2 axes A3



SXYx 2 axes A4