

HXYLx 2 axes

● Arm type ● Cable carrier



Ordering method

HXYLx - C

Model	Cable	Combination	X-axis stroke	Y-axis stroke	Cable
A1			115 to 205cm	25 to 65cm	3L: 3.5m
A2					5L: 5m
A3					10L: 10m
A4					

RCX320-2 **R**

Controller / Number of controllable axes	Safety standard	Regenerative unit	Option A (OP.A)	Option B (OP.B)	Vision System	Absolute battery
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Specify various controller setting items. RCX320 ▶ **P.660**

RCX222HP **R**

Controller	Usable for CE	Regenerative unit	I/O selection 1	I/O selection 2
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Specify various controller setting items. RCX222 ▶ **P.670**

Specification

	X-axis	Y-axis
Axis construction <small>Note 1</small>	F20N	F17
AC servo motor output (W)	400	400
Repeatability <small>Note 2</small> (mm)	+/-0.04	+/-0.01
Drive system	Ball screw φ20	Ball screw φ20
Ball screw lead <small>Note 3</small> (Deceleration ratio) (mm)	20	20
Maximum speed (mm/sec)	1200	1200
Moving range (mm)	1150 to 2050	250 to 650
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.

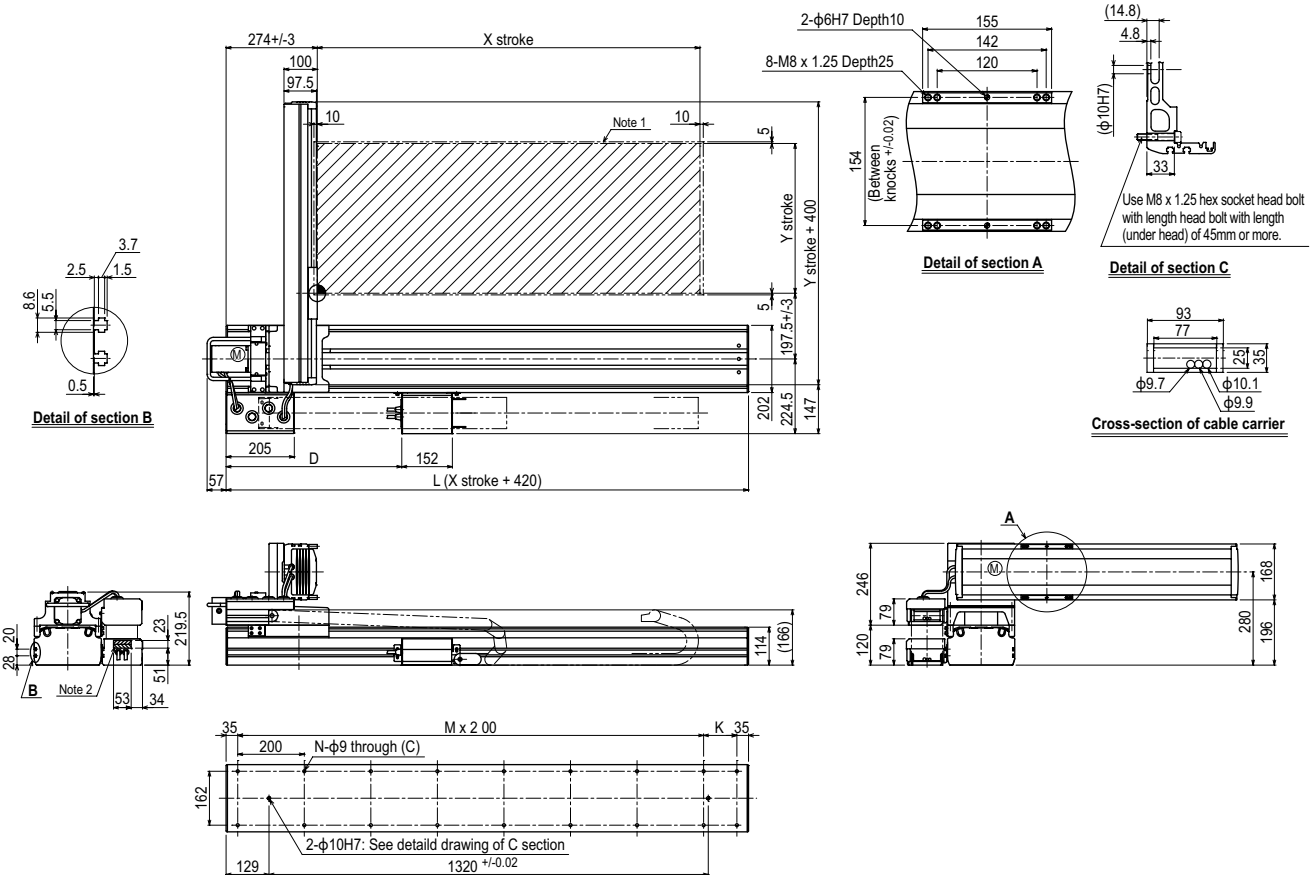
Maximum payload (kg)

Y stroke (mm)	XY 2 axes
250	40
350	40
450	35
550	30
650	30

Controller

Controller	Operation method
RCX320-R	Programming / I/O point trace / Remote command / Operation using RS-232C communication
RCX222HP-R	

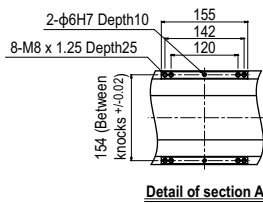
HXYLx 2 axes A1



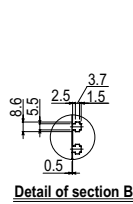
X stroke	1150	1250	1350	1450	1550	1650	1750	1850	1950	2050
L	1570	1670	1770	1870	1970	2070	2170	2270	2370	2470
D	528	574	620	666	712	758	804	850	896	942
K	100	200	100	200	100	200	100	200	100	200
M	7	7	8	8	9	9	10	10	11	11
N	18	18	20	20	22	22	24	24	26	26
Y stroke	250	350	450	550	650					

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.

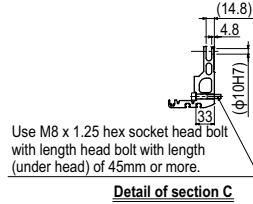
HXYLx 2 axes **A2**



Detail of section A

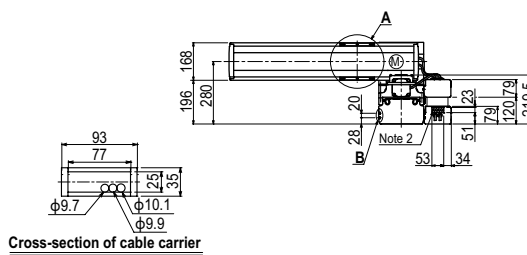
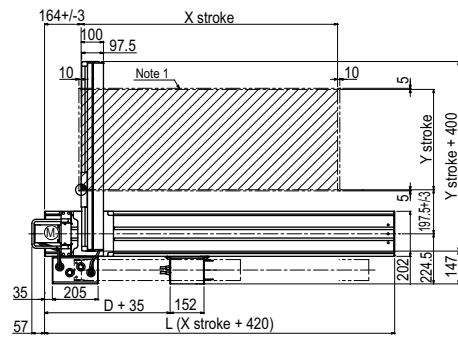


Detail of section B

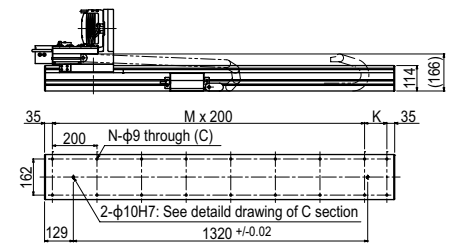


Detail of section C

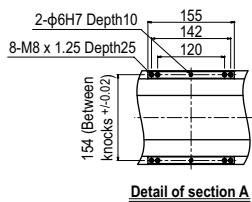
Use M8 x 1.25 hex socket head bolt with length head bolt with length (under head) of 45mm or more.



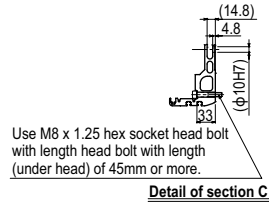
Cross-section of cable carrier



HXYLx 2 axes **A3**

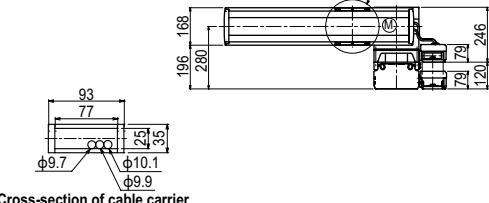
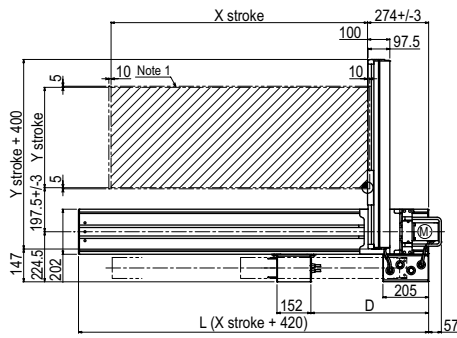


Detail of section A

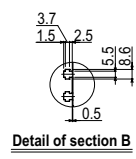
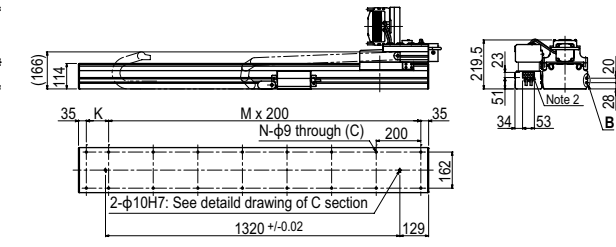


Detail of section C

Use M8 x 1.25 hex socket head bolt with length head bolt with length (under head) of 45mm or more.

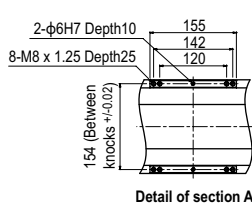
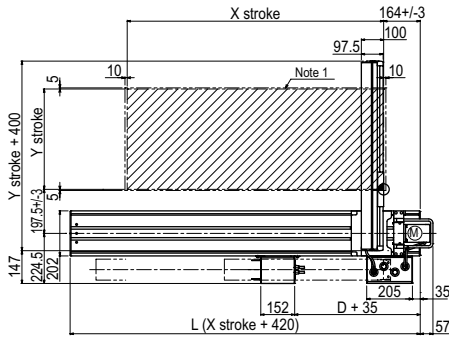


Cross-section of cable carrier

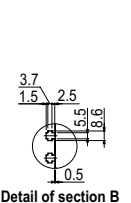


Detail of section B

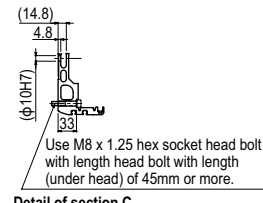
HXYLx 2 axes **A4**



Detail of section A

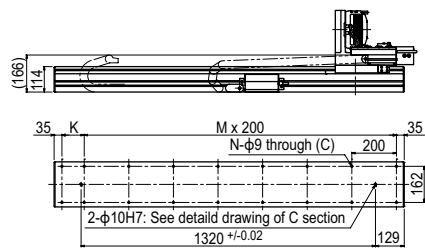


Detail of section B

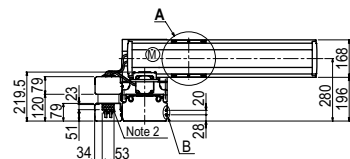


Detail of section C

Use M8 x 1.25 hex socket head bolt with length head bolt with length (under head) of 45mm or more.



Cross-section of cable carrier



YA	Articulated robots
LCM	Linear conveyor modules
CX	Single-axis robots
Robonity	Motor-less single axis actuator
TRANSEVO	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	CONTROLLER
INFORMATION	INFORMATION
Arm type	Arm type
Gantry type	Gantry type
Moving arm type	Moving arm type
Pole type	Pole type
XZ type	XZ type