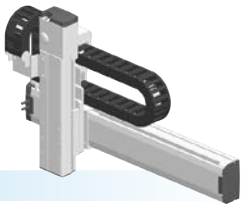
MXYx 2 axes / ZFH

XZ type | Cable carrier | Z-axis: clamped table / moving base type (200W)



Ordering method

MXYx - C				ZFH			RCX320-2		R					
Model	Cable	Combination	X-axis stroke	ZR-axis	Z-axis stroke	Cable	Controller / Number of controllable axes	Safety standard	Regeneratine unit	Option A (OP.A)	Option B (OP.B)	Vision System	Absolute battery
		F1 F3	15 to 105cm		15 to 35cm	3L: 3.5m 5L: 5m 10L: 10m							

Specify various controller setting items. RCX320 ▶ P.660

RCX222		R			
Controller	Usable for CE	Regeneratine unit	I/O selection 1	I/O selection 2	

Specify various controller setting items. RCX222 ▶ P.670

Specification

	X-axis	Z-axis
Axis construction Note 1	F14H	F10H-BK
AC servo motor output (W)	200	200
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	10
Maximum speed Note 4 (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 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.

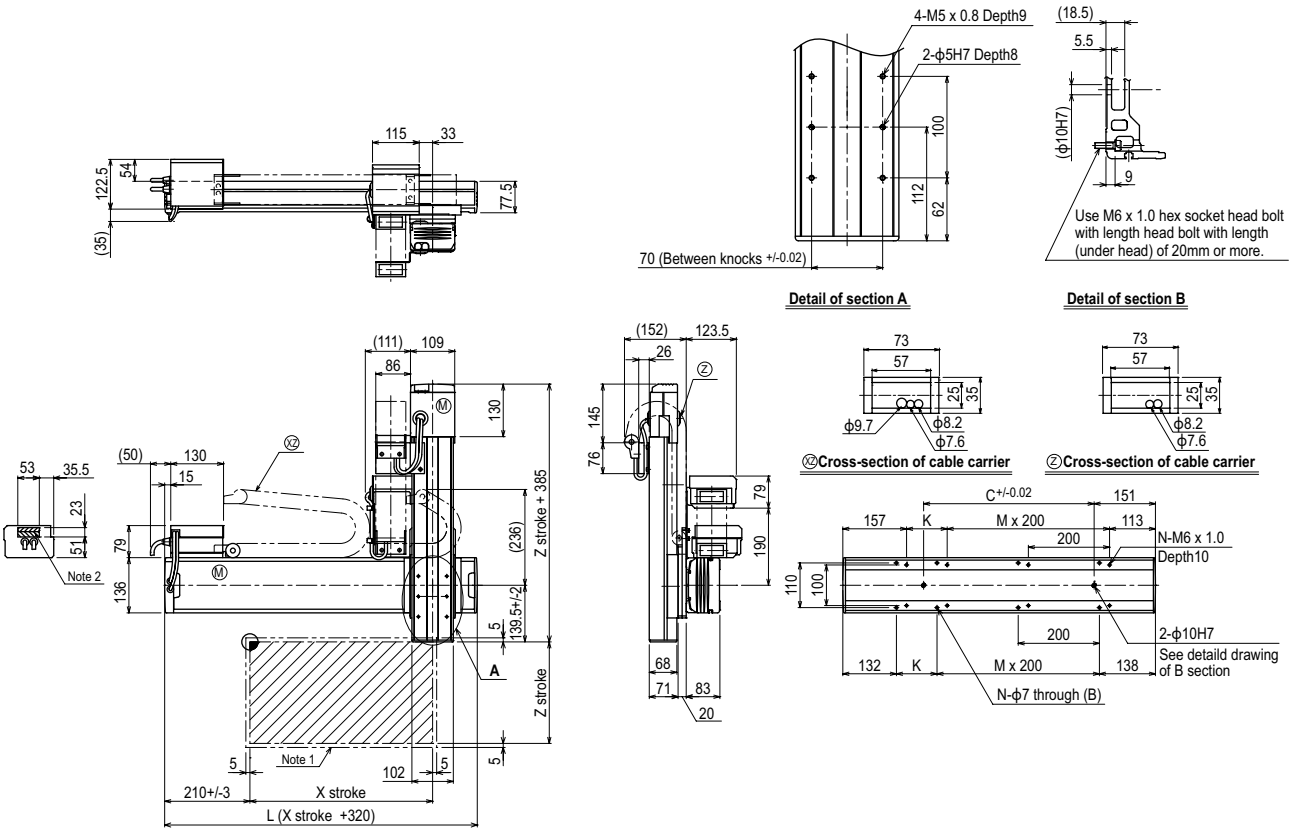
Maximum payload (kg)

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

Controller

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

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) Note 3	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 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.