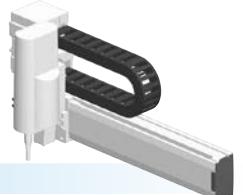


XZ type

Cable carrier

Z-axis shaft vertical type



Ordering method

SXYx - C	[]	[]	[]	15	[]	RCX320-2	[]	[]	[]	[]	
Model	Cable	Combination	X-axis stroke	ZR-axis	Z-axis stroke	Cable	Controller / Number of controllable axes	Safety standard	Option A (OP.A)	Option B (OP.B)	Vision System
F1	F3		15 to 105cm	ZS12	ZS6		3L: 3.5m 5L: 5m 10L: 10m				Absolute battery

Specify various controller setting items. RCX320 ▶ P626

Specification

	X-axis	Z-axis: ZS12	Z-axis: ZS6
Axis construction Note 1	F14	–	–
AC servo motor output (W)	100	60	–
Repeatability Note 2 (mm)	+/-0.01	+/-0.02	–
Drive system	Ball screw φ15	Ball screw φ12	–
Ball screw lead Note 3 (Deceleration ratio) (mm)	20	12	6
Maximum speed Note 4 (mm/sec)	1200	1000	500
Moving range (mm)	150 to 1050	–	150
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.

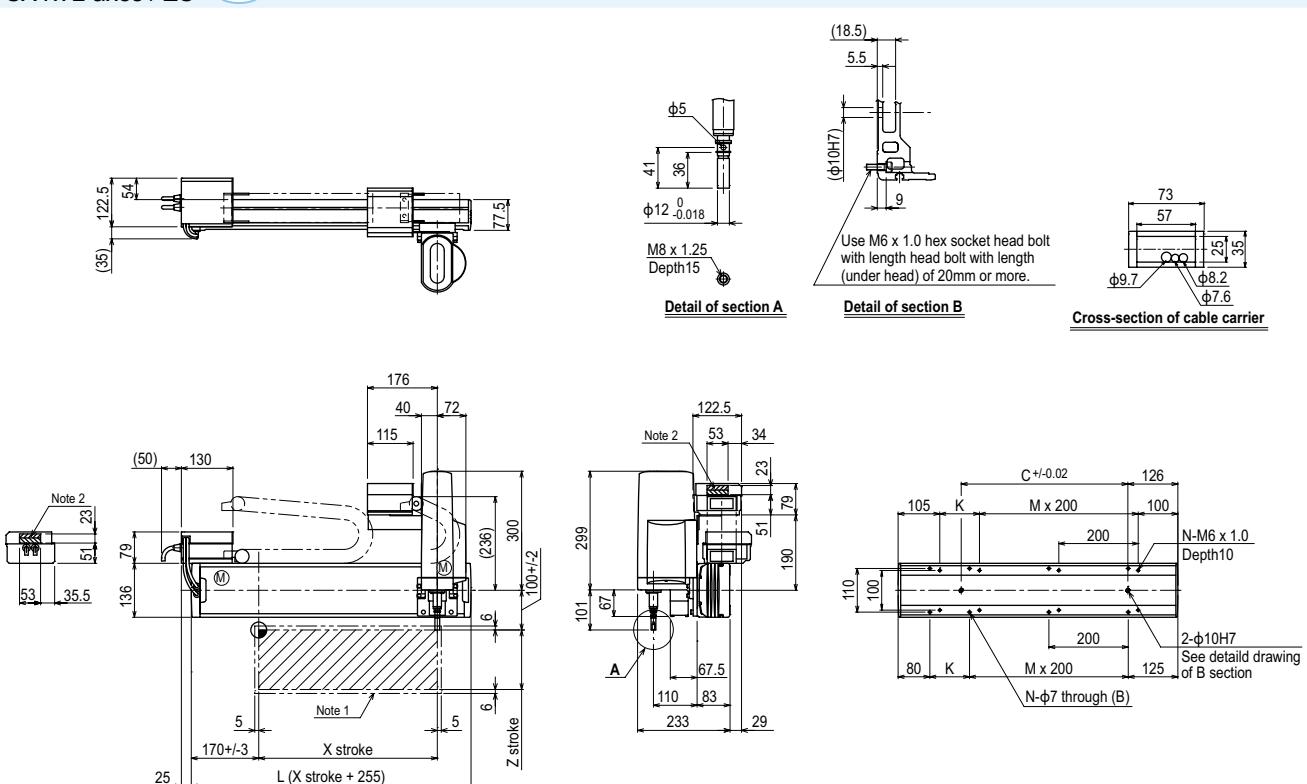
Maximum payload

Y stroke (mm)	ZS12	ZS6
150 to 1050	3	5

Controller

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

SXYx 2 axes / ZS (F1)



X stroke	150	250	350	450	550	650	750	850	950	1050
L	405	505	605	705	805	905	1005	1105	1205	1305
K	200	100	200	100	200	100	200	100	200	100
C	240	240	420	420	600	600	780	780	960	960
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

Maximum speed for each stroke(mm/sec) Note 3	X-axis Speed setting	1200	960	780	600	540
		–	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.

Linear conveyor modules
LCMR200

Single-axis robots
GX

Linear conveyor modules
LCM100

SCARA robots
YK-X

Single-axis robots
Robonity

Linear motor
single-axis robots
PHASER

Single-axis robots
FLIP-X

Compact
single-axis robots
TRANSERO

Cartesian robots
XY-X

Pick & place
robots
YP-X

CLEAN
CONTROLLER
INFORMATION

Arm type
Gantry type
Moving arm
type

Pole type

XZ type