Ordering method

SXYx - C - A1 - 105 - 65 - IO - 3L - RCX222 - E - N - N1

Model	Cable	Combination	X-axis stroke	Y-axis stroke	ZR-axis	Cable length	Controller	Usable for CE	Input/Output Selection 1	Input/Output Selection 2
SXYx	C	A1 to A4	15 to 105	15 to 65	IO	3L,5L, 10L	RCX222	E	N	N1

Note : For the details of the controller, please refer to the catalog of Yamaha Controllers.

Specification

	X-axis	Y-axis
Motor output	200W	100W
Repeatability Note 1	+/-0.01mm	+/-0.01mm
Drive system	Ball screw(Class C7)	Ball screw(Class C7)
Ball screw lead (Deceleration ratio)	20mm	20mm
Maximum speed Note 2	1200mm/sec	1200mm/sec
Moving range	150 to 1050mm	150 to 650mm
Robot cable length	Standard : 3.5m Option : 5m, 10m	
Controller	RCX222,RCX142,DRCX1005	

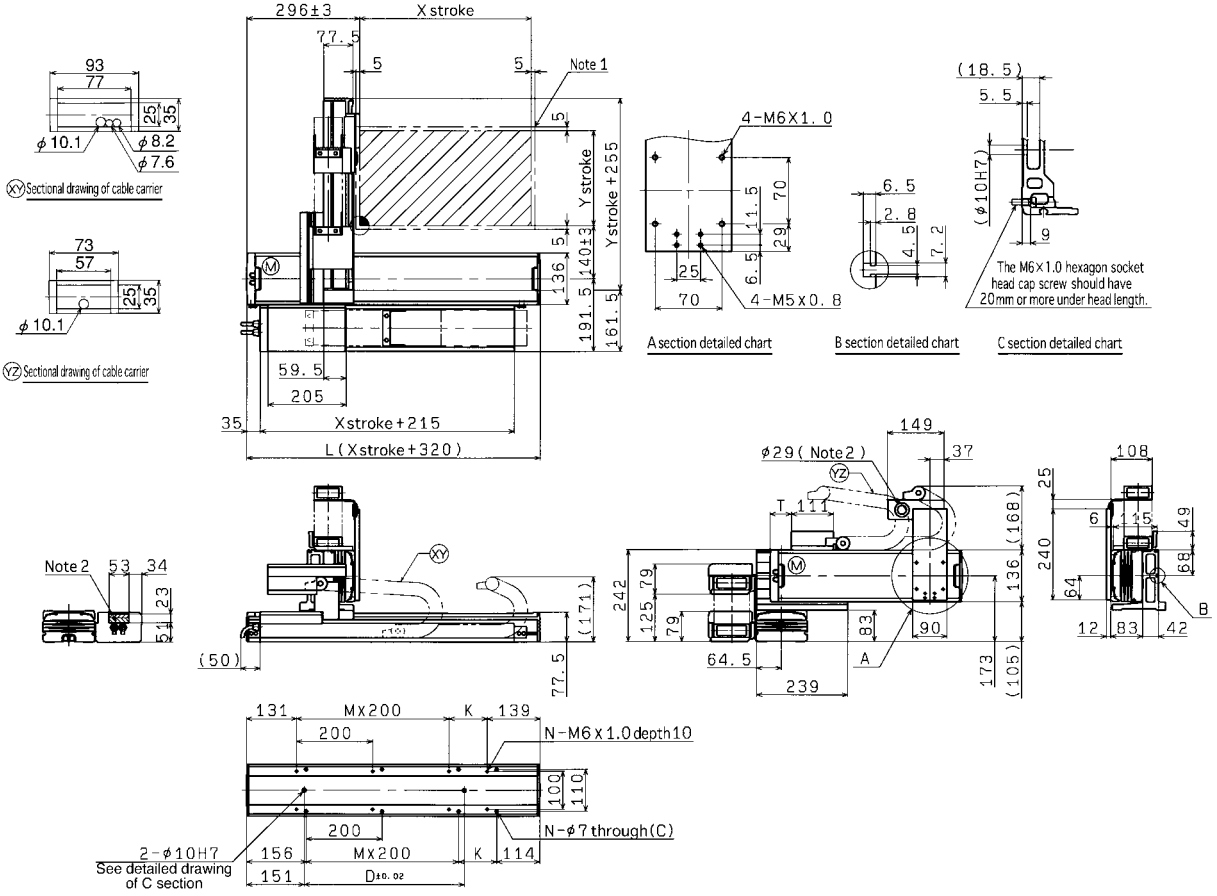
Note 1 : Repeatability for single oscillation.
Note 2 : When the X-axis stroke exceeds 750mm, resonance of a ball screw may occur depending on the operation range (dangerous speed). In such case, make an adjustment to reduce the speed using the corresponding parameter or program and referring to the table below for the maximum speed as a guide.

Axis	X-axis			
Stroke (mm)	750	850	950	1050
Maximum speed (mm/sec)	960	780	600	540
Speed setting	80%	65%	50%	45%

Maximum load capacity

Y stroke	XY 2 axes
150mm	19kg
250mm	16kg
350mm	14kg
450mm	12kg
550mm	10kg
650mm	8kg

A1



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
D	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

Y stroke	150	250	350	450	550	650
T	55	110	165	220	275	330

Note 1 : The moving range when returning to origin and the stop position when stopping by the mechanical stopper.
Note 2 : Theshaded position indicates the port where the user cable is taken out.