



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

### Ordering method

**NXY - C** [ ] [ ] [ ] **ZFL20** [ ] [ ] **RCX340-3** [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Model	Cable	Combination	X-axis stroke	Y-axis stroke	ZR-axis	Z-axis stroke	Cable	Controller / Number of controllable axes	Safety standard	Option A (OP.A)	Option B (OP.B)	Option C (OP.C)	Option D (OP.D)	Option E (OP.E)	Absolute battery
A1	A1	A3	50 to 200cm	15 to 65cm		15 to 35cm	3L: 3.5m 5L: 5m 10L: 10m								

Specify various controller setting items. RCX340 ▶ **P.566**

### Specification

	X-axis	Y-axis	Z-axis
<b>Axis construction</b> <sup>Note 1</sup>	N15	F14	F10H-BK
<b>AC servo motor output (W)</b>	400	100	200
<b>Repeatability</b> <sup>Note 2</sup> (mm)	+/-0.01	+/-0.01	+/-0.01
<b>Drive system</b>	Ball screw φ15	Ball screw φ15	Ball screw φ15
<b>Ball screw lead</b> <sup>Note 3</sup> (Deceleration ratio) (mm)	20	20	20
<b>Maximum speed (mm/sec)</b>	1200	1200	1200
<b>Moving range (mm)</b>	500 to 2000	150 to 650	150 to 350
<b>Robot cable length (m)</b>	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.

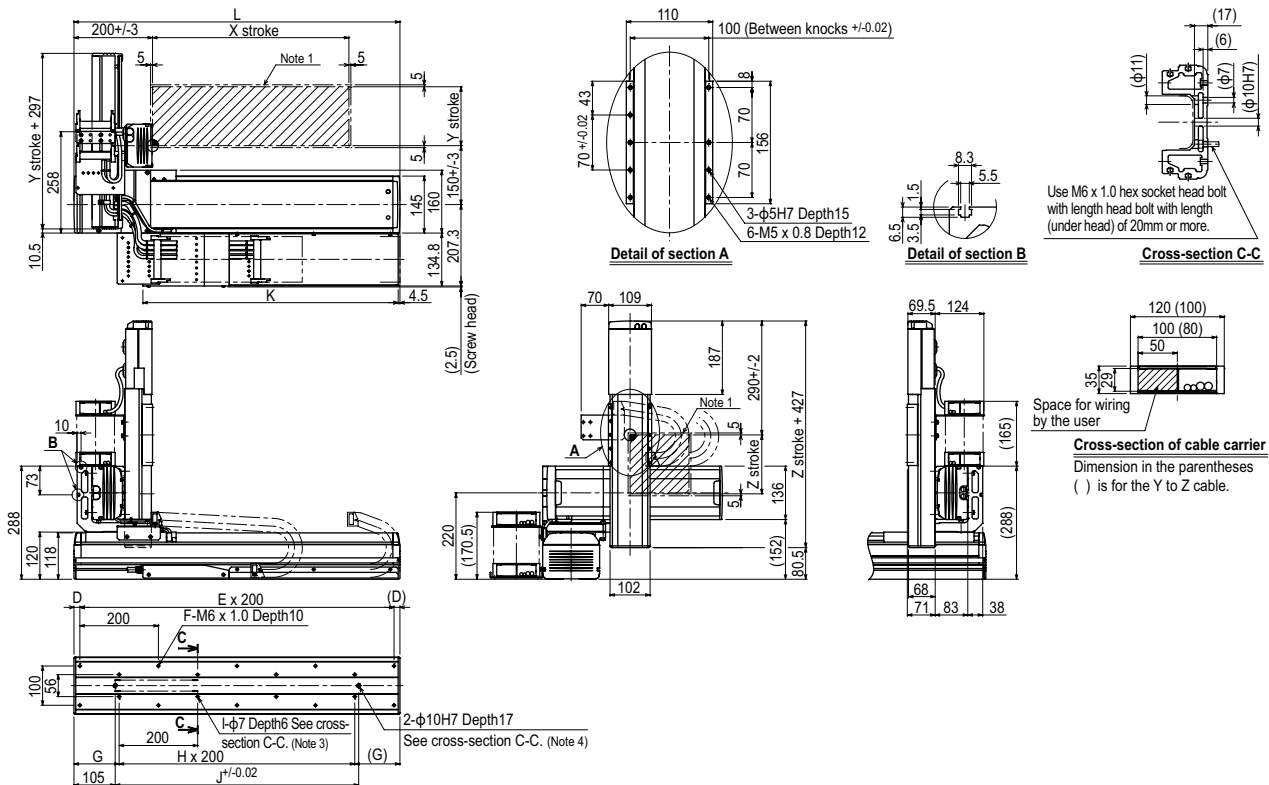
### Maximum payload (kg)

Y stroke (mm)	Z stroke (mm)		
	150	250	350
150	8	8	8
250	8	8	8
350	8	8	8
450	8	7	6
550	5	4	3
650	3	2	1

### Controller

Controller	Operation method
RCX340	Programming / I/O point trace / Remote command / Operation using RS-232C communication

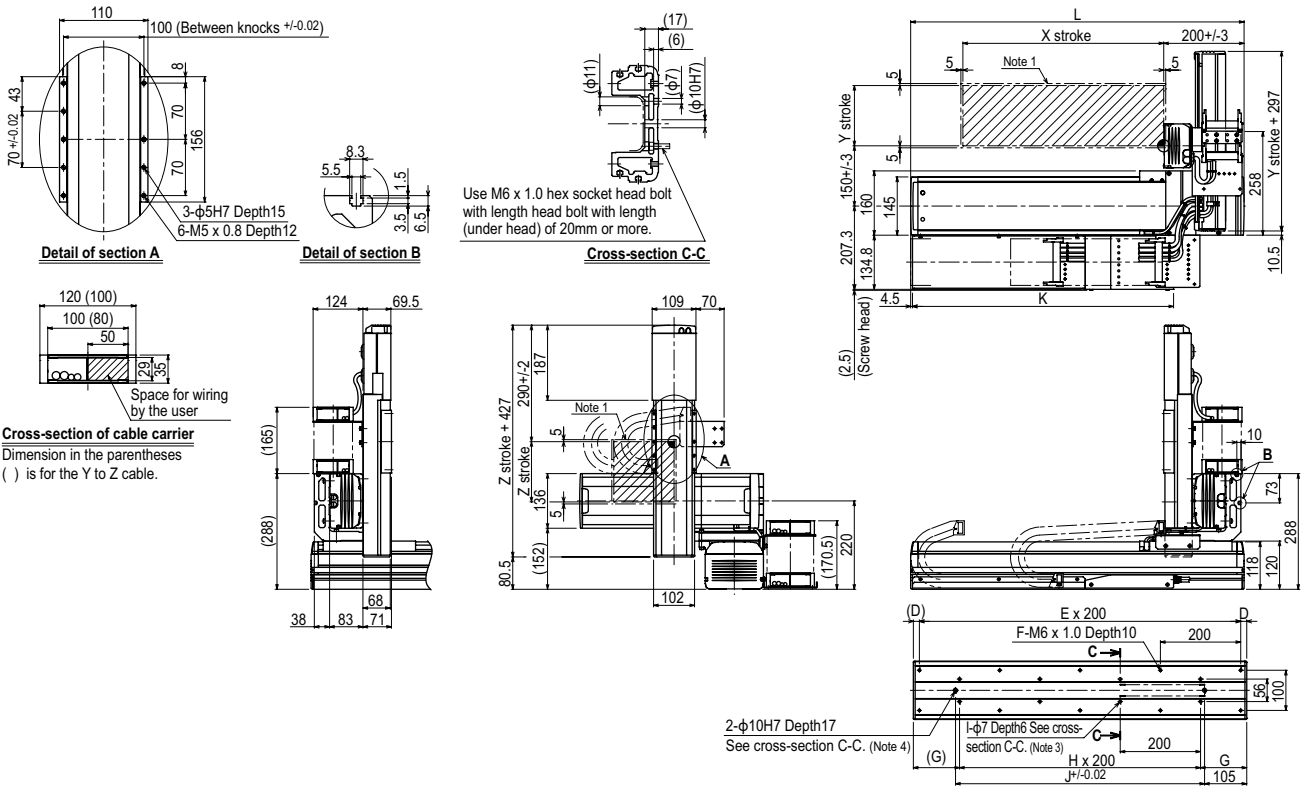
### NXY 3 axes / ZFL20 (A1)



X stroke	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
L	830	930	1030	1130	1230	1330	1430	1530	1630	1730	1830	1930	2030	2130	2230	2330
D	15	65	15	65	15	65	15	65	15	65	15	65	15	65	15	65
E	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11
F	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24
G	115	165	115	165	115	165	115	165	115	165	115	165	115	165	115	165
H	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10
I	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22
J	620	720	820	920	1020	1120	1220	1320	1420	1520	1620	1720	1820	1920	2020	2120
K	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
<b>Y stroke</b>	<b>150</b>	<b>250</b>	<b>350</b>	<b>450</b>	<b>550</b>	<b>650</b>										
<b>Z stroke</b>	<b>150</b>	<b>250</b>	<b>350</b>													

Note 1. The moving range when returning to origin and the stop position when stopping by the mechanical stopper.  
 Note 2. The origin of the X axis is set originally as the drawing and it is possible to change it to the R side origin by changing parameters.  
 Note 3. When using φ7 holes for installation, you must not use a washer, spring washer, etc. in the main unit.  
 Note 4. When using a φ10H7 hole, make sure that the pin does not go into deeper than as shown in the drawing.  
 Note 5. Use M4 tap of the box next to X axis for the user grounding terminal.  
 Note 6. The M4 taps at both ends of the cable carriage can be used for fixing cables.

NXY 3 axes / ZFL20 **A3**



X stroke	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
L	830	930	1030	1130	1230	1330	1430	1530	1630	1730	1830	1930	2030	2130	2230	2330
D	15	65	15	65	15	65	15	65	15	65	15	65	15	65	15	65
E	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11
F	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24
G	115	165	115	165	115	165	115	165	115	165	115	165	115	165	115	165
H	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10
I	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22
J	620	720	820	920	1020	1120	1220	1320	1420	1520	1620	1720	1820	1920	2020	2120
K	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
Y stroke	150	250	350	450	550	650										
Z stroke	150	250	350													

- Note 1. The moving range when returning to origin and the stop position when stopping by the mechanical stopper.
- Note 2. The origin of the X axis is set originally as the drawing and it is possible to change it to the R side origin by changing parameters.
- Note 3. When using  $\phi 7$  holes for installation, you must not use a washer, spring washer, etc. in the main unit.
- Note 4. When using a  $\phi 10H7$  hole, make sure that the pin does not go into deeper than as shown in the drawing.
- Note 5. Use M4 tap of the box next to X axis for the user grounding terminal.
- Note 6. The M4 taps at both ends of the cable carriage can be used for fixing cables.