

SXYxC 2 axes

● Clean type ● Cable duct



Ordering method

SXYxC - D [] [] [] [] **RCX320-2** [] [] [] [] []

Model	Cable D: Cable duct	Combination	X axis stroke	Y axis stroke	Cable length	Controller / Number of controllable axes	Safety standard	Option A (OP.A)	Option B (OP.B)	Vision System	Absolute battery
	T1 T3		15 to 105cm	15 to 65cm	3L: 3.5m 5L: 5m 10L: 10m						

Specify various controller setting items. RCX320 ▶ **P.626**

Basic specifications

	X axis	Y axis
Axis construction <small>Note 1</small>	C14H	C14
AC servo motor output (W)	200	100
Repeatability <small>Note 2</small> (mm)	+/-0.01	+/-0.01
Drive system	Ball screw φ15	Ball screw φ15
Ball screw lead <small>Note 3</small> (Deceleration ratio) (mm)	20	20
Maximum speed <small>Note 4</small> (mm/sec)	1000	1000
Moving range (mm)	150 to 1050	150 to 650
Robot cable length (m)	Standard: 3.5 Option: 5, 10	
Degree of cleanliness	CLASS 10 <small>Note 5</small>	
Intake air (Nℓ/min)	60 <small>Note 6</small>	

Note 1. Use caution that the frame 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 850mm, 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.
 Note 5. Per 1cf (0.1μm base), when suction blower is used.
 Note 6. The necessary intake amount varies depending on the use conditions and environment.

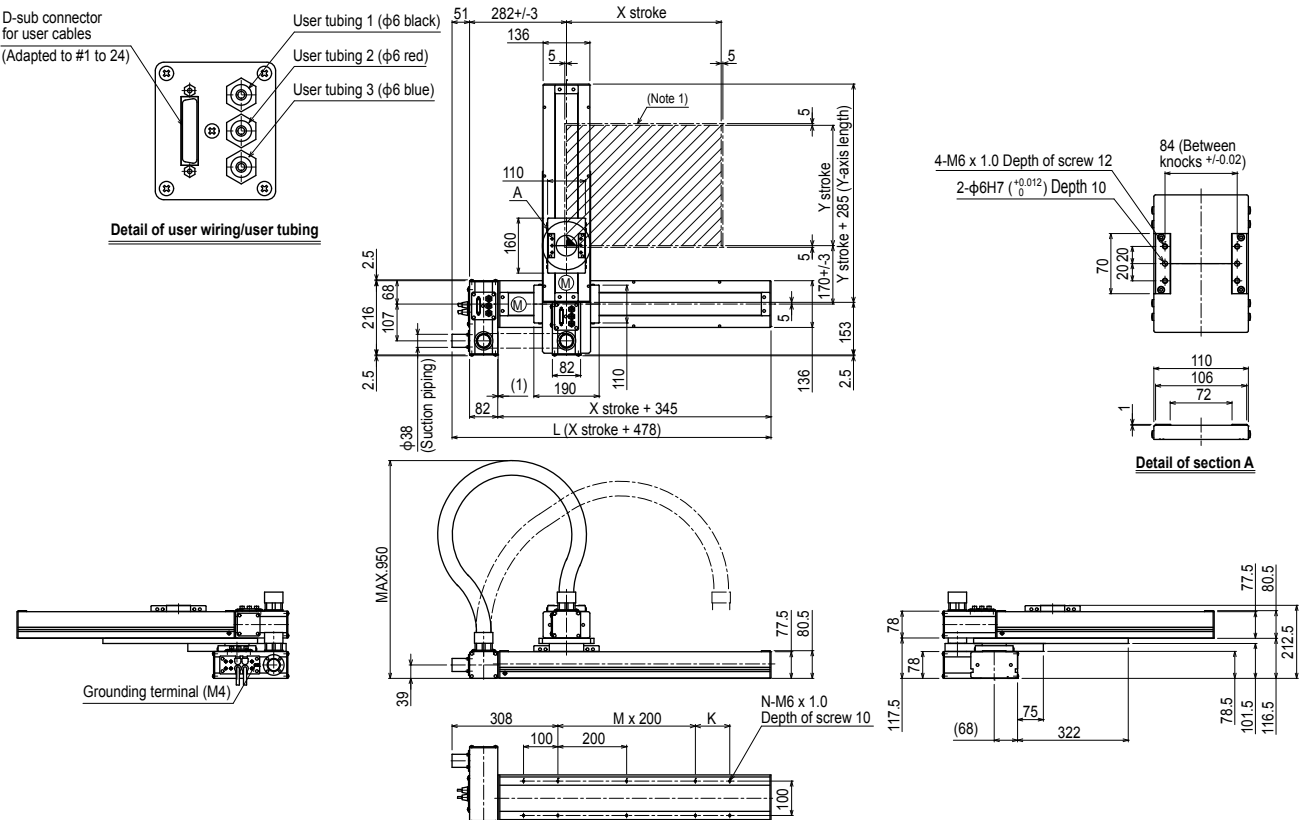
Maximum payload (kg)

Y stroke (mm)	XY 2 axes
150	20
250	17
350	15
450	13
550	11
650	9

Controller

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

SXYxC 2 axes T1

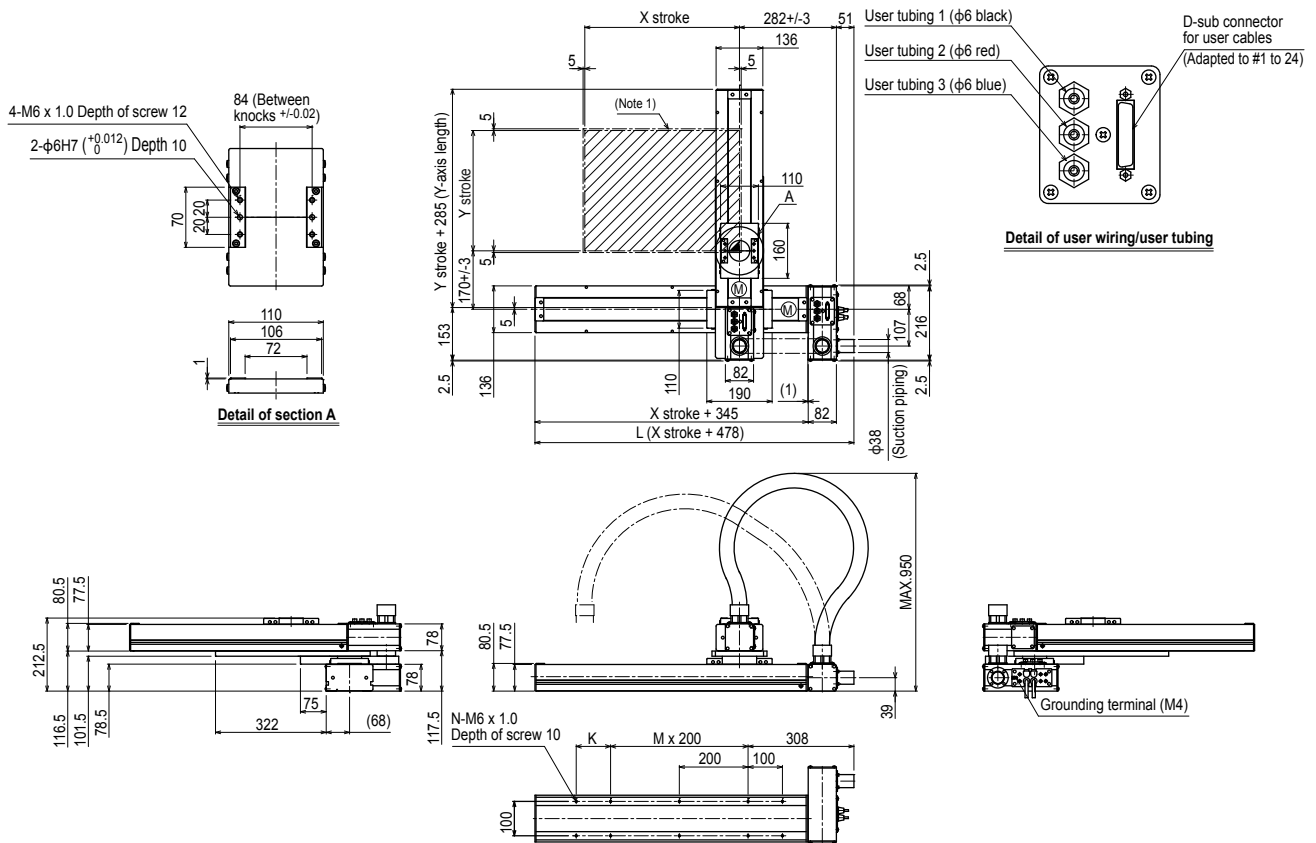


X stroke	150	250	350	450	550	650	750	850	950	1050	
	L	628	728	828	928	1028	1128	1228	1328	1428	1528
K	200	100	200	100	200	100	200	100	200	100	
M	0	1	1	2	2	3	3	4	4	5	
N	6	8	8	10	10	12	12	14	14	16	
Y stroke	150	250	350	450	550	650					
Maximum speed for each stroke (mm/sec) <small>Note 2</small>	1000						800	650	550		
Speed setting	-						80%	65%	55%		

Note 1. The moving range when returning to origin and the stop position when stopping by mechanical stopper.

Note 2. When the X-axis stroke is longer than 850mm, 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.

SXYxC 2 axes T3



X stroke	150	250	350	450	550	650	750	850	950	1050	
L	628	728	828	928	1028	1128	1228	1328	1428	1528	
K	200	100	200	100	200	100	200	100	200	100	
M	0	1	1	2	2	3	3	4	4	5	
N	6	8	8	10	10	12	12	14	14	16	
Y stroke	150	250	350	450	550	650					
Maximum speed for each stroke (mm/sec) ^{Note 2}	X axis			1000			800	650	550		
Speed setting				-			80%	65%	55%		

Note 1. The moving range when returning to origin and the stop position when stopping by mechanical stopper.

Note 2. When the X-axis stroke is longer than 850mm, 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.

SXYxC

3 axes / ZSC

- Clean type
- Cable duct
- Z-axis shaft vertical type

Ordering method

SXYxC - D [] [] [] [] **15** [] **RCX340-3** [] [] [] [] [] [] [] [] [] [] []

Model	Cable	Combination	X axis stroke	Y axis stroke	ZR axis	Z axis stroke	Cable length	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
	D: Cable duct	T1 T3	15 to 105cm	15 to 65cm	ZSC12 ZSC6		3L: 3.5m 5L: 5m 10L: 10m								

Specify various controller setting items. RCX340 ▶ **P.636**

Basic specifications

	X axis	Y axis	Z axis: ZSC12	Z axis: ZSC6
Axis construction ^{Note 1}	C14H	C14		-
AC servo motor output (W)	200	100		60
Repeatability ^{Note 2} (mm)	+/-0.01	+/-0.01		+/-0.02
Drive system	Ball screw φ15	Ball screw φ15		Ball screw φ12
Ball screw lead ^{Note 3} (Deceleration ratio) (mm)	20	20	12	6
Maximum speed ^{Note 4} (mm/sec)	1000	1000	1000	500
Moving range (mm)	150 to 1050	150 to 650		150
Robot cable length (m)	Standard: 3.5 Option: 5, 10			
Degree of cleanliness	CLASS 10 ^{Note 5}			
Intake air (Nℓ/min)	90 ^{Note 6}			

Note 1. Use caution that the frame 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 850mm, 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.
 Note 5. Per 1cf (0.1μm base), when suction blower is used.
 Note 6. The necessary intake amount varies depending on the use conditions and environment.

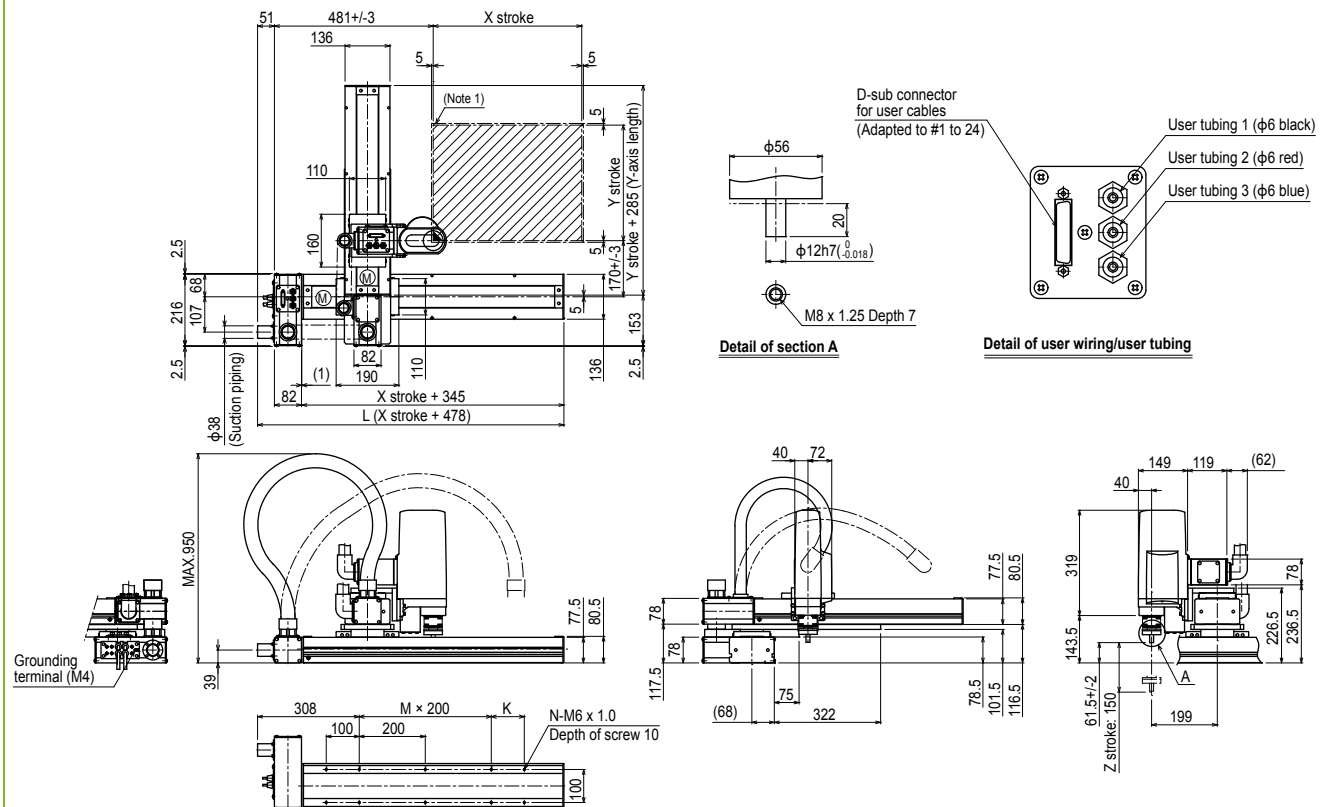
Maximum payload (kg)

Y stroke (mm)	ZSC12	ZSC6
150 to 650	3	5

Controller

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

SXYxC 3 axes / ZSC (T1)

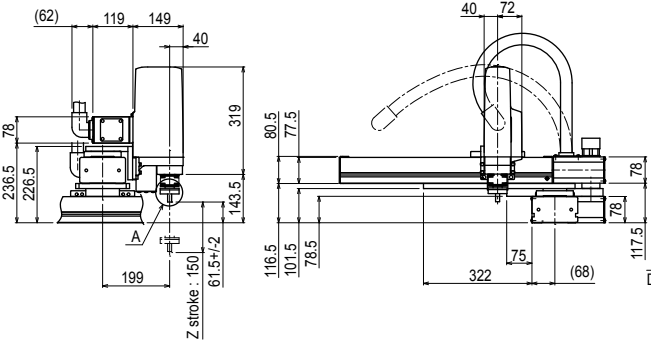
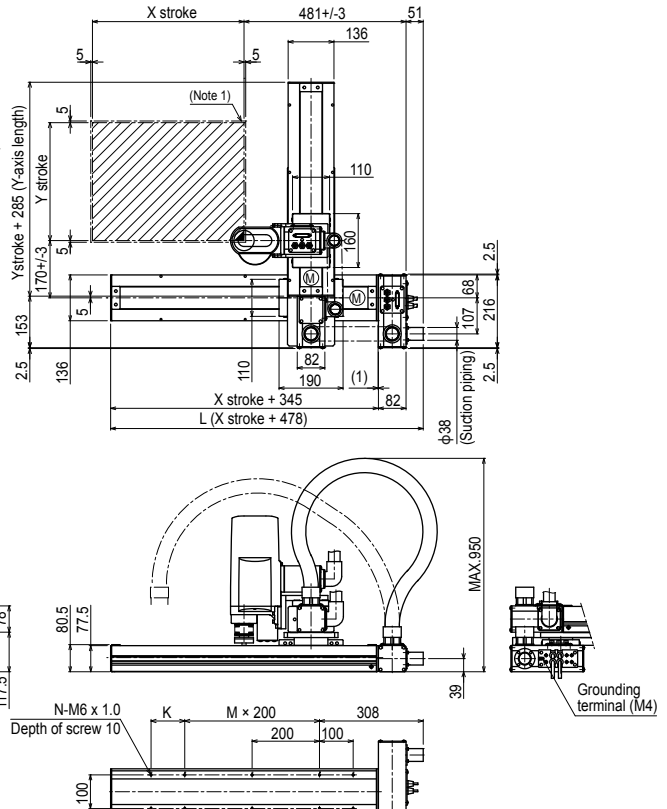
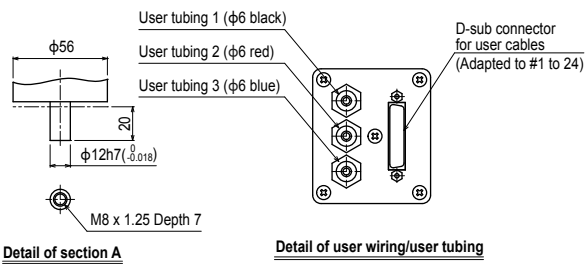


X stroke	150	250	350	450	550	650	750	850	950	1050
L	628	728	828	928	1028	1128	1228	1328	1428	1528
K	200	100	200	100	200	100	200	100	200	100
M	0	1	1	2	2	3	3	4	4	5
N	6	8	8	10	10	12	12	14	14	16
Y stroke	150	250	350	450	550	650				
Z stroke	150									
Maximum speed for each stroke (mm/sec) ^{Note 2}	X axis				1000			800	650	550
	Speed setting				-			80%	65%	55%

Note 1. The moving range when returning to origin and the stop position when stopping by mechanical stopper.

Note 2. When the X-axis stroke is longer than 850mm, 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.

SXYxC 3 axes / ZSC T3



X stroke	150	250	350	450	550	650	750	850	950	1050
L	628	728	828	928	1028	1128	1228	1328	1428	1528
K	200	100	200	100	200	100	200	100	200	100
M	0	1	1	2	2	3	3	4	4	5
N	6	8	8	10	10	12	12	14	14	16
Y stroke	150	250	350	450	550	650				
Z stroke	150									
Maximum speed for each stroke (mm/sec) Note 2	X axis			1000			800	650	550	
Speed setting				-			80%	65%	55%	

Note 1. The moving range when returning to origin and the stop position when stopping by mechanical stopper.

Note 2. When the X-axis stroke is longer than 850mm, 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.

SXYxC

3 axes / ZSC

- Clean type
- Cable duct
- Z-axis shaft vertical type

Ordering method

SXYxC - D [] [] [] [] **15** [] **RCX340-3** [] [] [] [] [] [] [] [] [] [] []

Model	Cable	Combination	X axis stroke	Y axis stroke	ZR axis	Z axis stroke	Cable length	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
	D: Cable duct	T1 T3	15 to 105cm	15 to 65cm	ZSC12 ZSC6		3L: 3.5m 5L: 5m 10L: 10m								

Specify various controller setting items. RCX340 ▶ **P.636**

Basic specifications

	X axis	Y axis	Z axis: ZSC12	Z axis: ZSC6
Axis construction ^{Note 1}	C14H	C14		-
AC servo motor output (W)	200	100		60
Repeatability ^{Note 2} (mm)	+/-0.01	+/-0.01		+/-0.02
Drive system	Ball screw φ15	Ball screw φ15		Ball screw φ12
Ball screw lead ^{Note 3} (Deceleration ratio) (mm)	20	20	12	6
Maximum speed ^{Note 4} (mm/sec)	1000	1000	1000	500
Moving range (mm)	150 to 1050	150 to 650		150
Robot cable length (m)	Standard: 3.5 Option: 5, 10			
Degree of cleanliness	CLASS 10 ^{Note 5}			
Intake air (Nℓ/min)	90 ^{Note 6}			

Note 1. Use caution that the frame 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 850mm, 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.
 Note 5. Per 1cf (0.1μm base), when suction blower is used.
 Note 6. The necessary intake amount varies depending on the use conditions and environment.

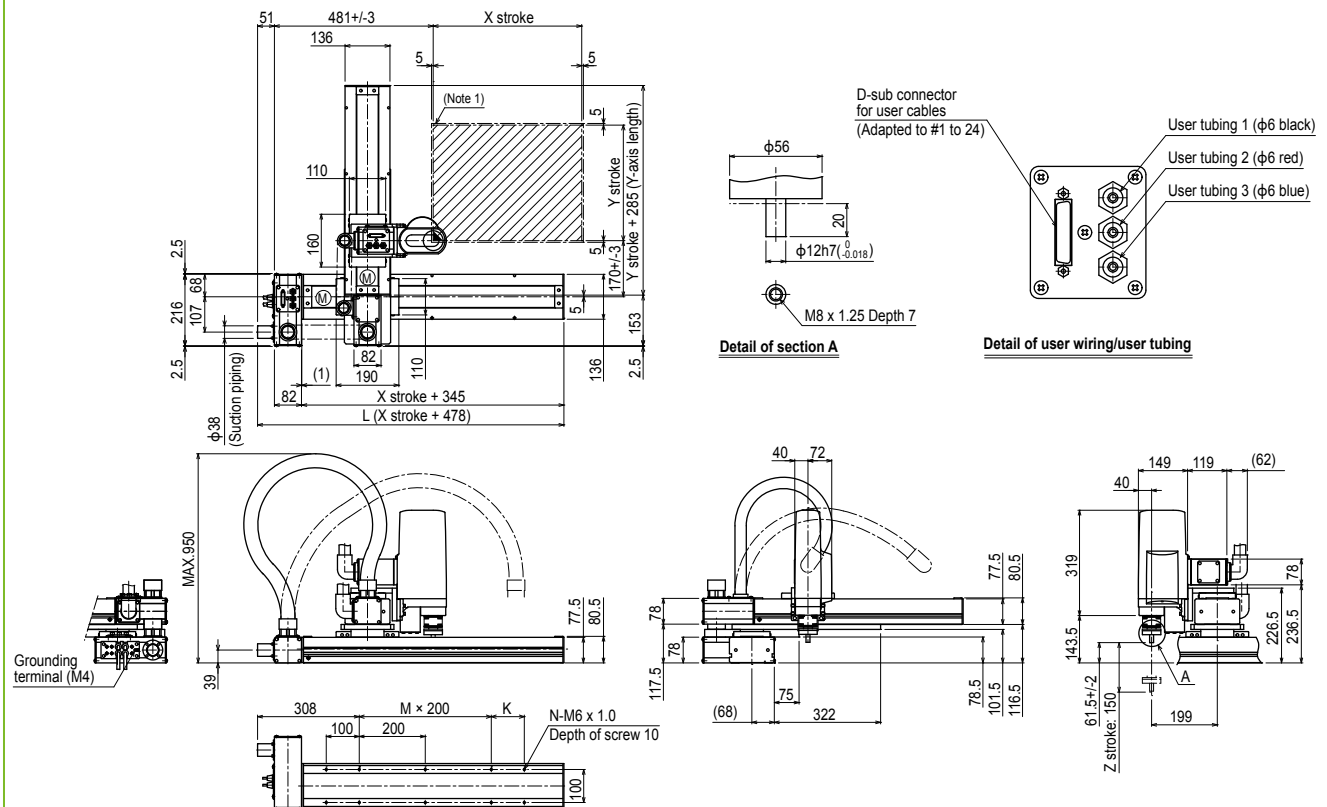
Maximum payload (kg)

Y stroke (mm)	ZSC12	ZSC6
150 to 650	3	5

Controller

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

SXYxC 3 axes / ZSC (T1)

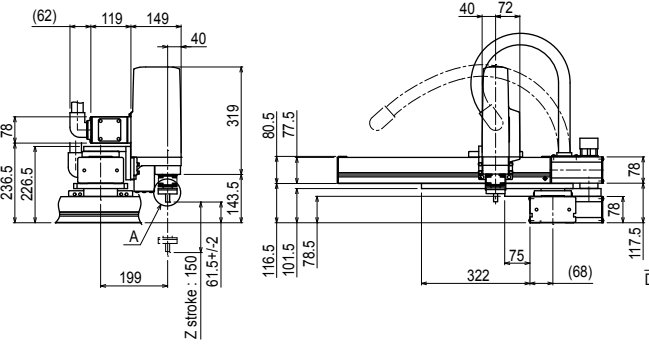
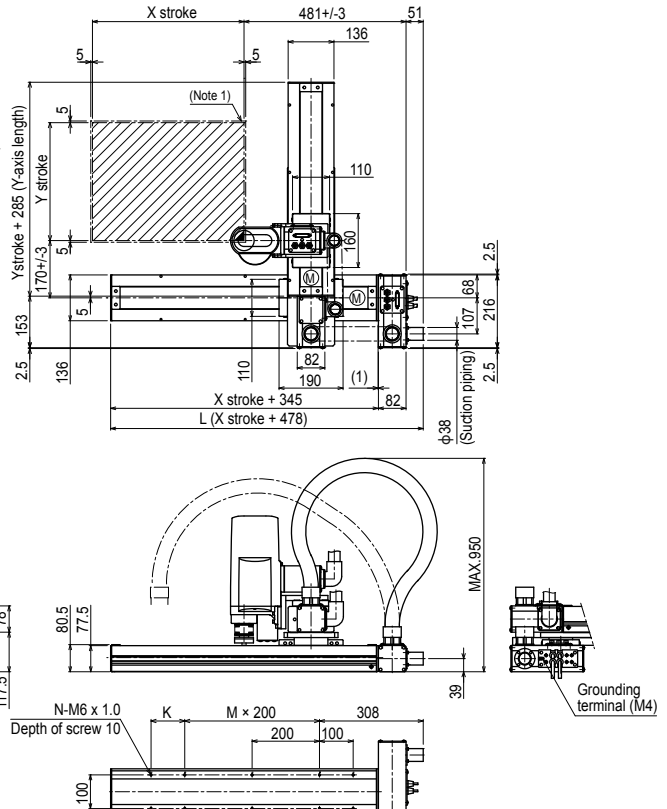
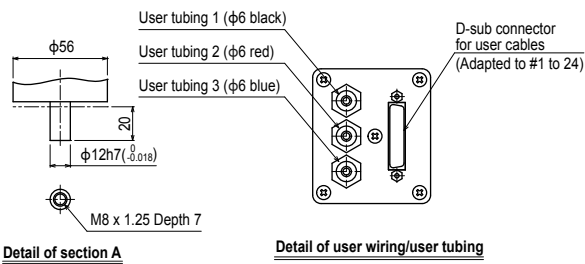


X stroke	150	250	350	450	550	650	750	850	950	1050
L	628	728	828	928	1028	1128	1228	1328	1428	1528
K	200	100	200	100	200	100	200	100	200	100
M	0	1	1	2	2	3	3	4	4	5
N	6	8	8	10	10	12	12	14	14	16
Y stroke	150	250	350	450	550	650				
Z stroke	150									
Maximum speed for each stroke (mm/sec) ^{Note 2}	X axis				1000			800	650	550
	Speed setting				-			80%	65%	55%

Note 1. The moving range when returning to origin and the stop position when stopping by mechanical stopper.

Note 2. When the X-axis stroke is longer than 850mm, 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.

SXYxC 3 axes / ZSC T3

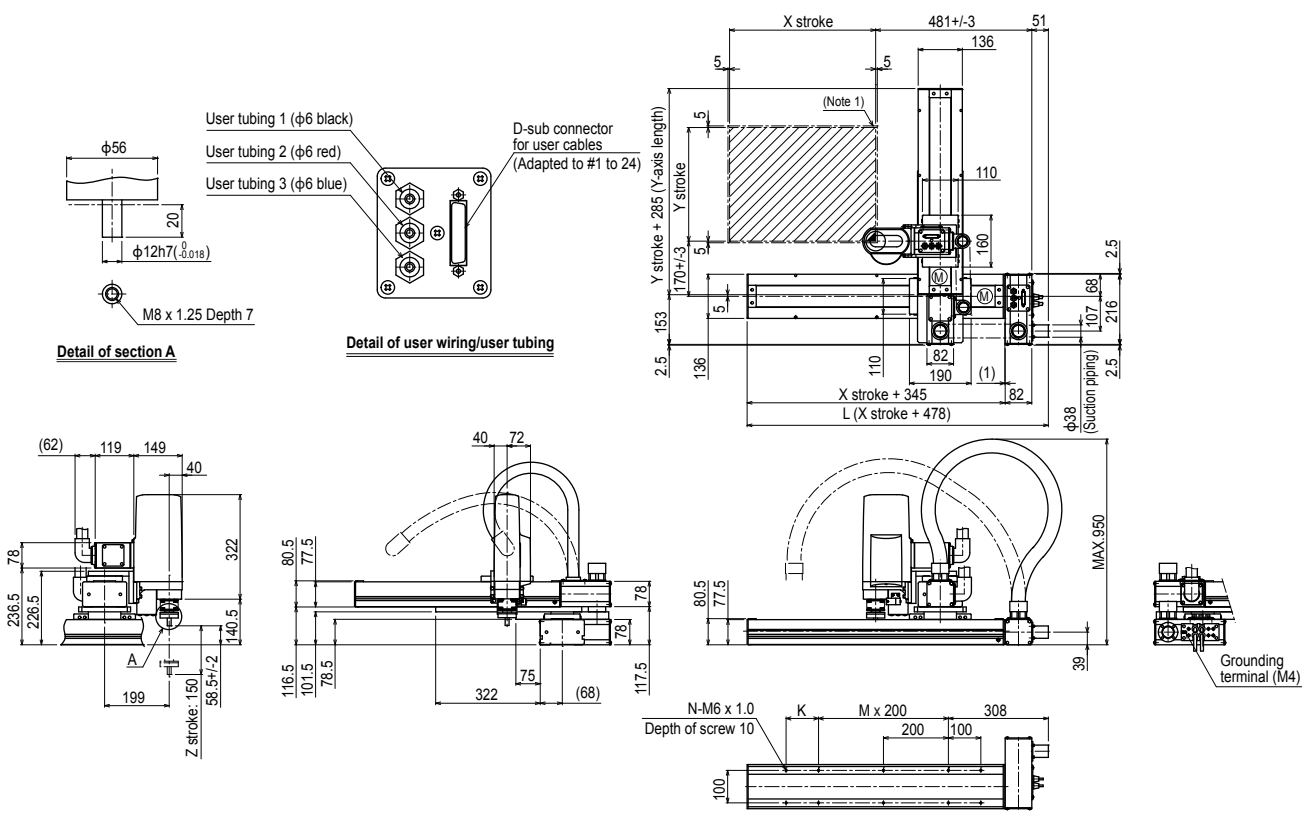


X stroke	150	250	350	450	550	650	750	850	950	1050
L	628	728	828	928	1028	1128	1228	1328	1428	1528
K	200	100	200	100	200	100	200	100	200	100
M	0	1	1	2	2	3	3	4	4	5
N	6	8	8	10	10	12	12	14	14	16
Y stroke	150	250	350	450	550	650				
Z stroke	150									
Maximum speed for each stroke (mm/sec) Note 2	1000			800			650	550		
Speed setting	-			80%			65%	55%		

Note 1. The moving range when returning to origin and the stop position when stopping by mechanical stopper.

Note 2. When the X-axis stroke is longer than 850mm, 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.

SXYxC 4 axes / ZRSC T3



X stroke	150	250	350	450	550	650	750	850	950	1050		
L	628	728	828	928	1028	1128	1228	1328	1428	1528		
K	200	100	200	100	200	100	200	100	200	100		
M	0	1	1	2	2	3	3	4	4	5		
N	6	8	8	10	10	12	12	14	14	16		
Y stroke	150	250	350	450	550	650						
Z stroke	150											
Maximum speed for each stroke (mm/sec)	1000					800					650	550
Speed setting	-					80%					65%	55%

Note 1. The moving range when returning to origin and the stop position when stopping by mechanical stopper.

Note 2. When the X-axis stroke is longer than 850mm, 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.

