

2-axis spec selection guide

Setting method

While checking conditions in order starting from ①, proceed to the right. Select the desired model in ⑥.

① Select the arm variation

Arm type

The type with moving Y-axis carriage.

Gantry type

The type with a guide railing at the end of Y-axis for support.

Moving arm type

The type with a moving Y-axis arm.

Pole type

The type with vertically moving Y-axis carriage.

XZ type

The type with combination of X-axis for horizontal movement and Z-axis for vertical movement.

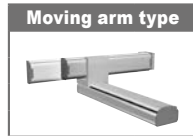
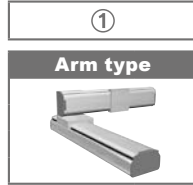
② Select a line satisfying both the Y-axis stroke and payload and move to the right.

③ Check the cable types

④ Check the X axis stroke

⑤ Select the desired speed

⑥ Decide the model



②		Y-axis stroke (mm)									
		50	100	150	200	250	300	350	400	450	500
Payload (kg)	4.5	4.5	3.5	2.5	2	1.5					

		Y-axis stroke (mm)									
		150	250	350	450	550	650	750	850	950	1050
Payload (kg)	12			11	9	7					
	12			11	9	7					
	7	6		5	3						
	7	6		5	3						
	7	6		5	3						
	20	17	15	13	11	9					
	20	17	15	13	11	9					
	19	16	14	12	10	8					
	14	12	10	8	7						
	25	21	18	16	13	11					
	30		25	20	16						
	30		25	20	16						
	29		24	19	15						
			40	35	30						
		40	35	30							

		Y-axis stroke (mm)									
		150	250	350	450	550	650	750	850	950	1050
Payload (kg)				30				25	20		
				29				24	19		
							50				
							50				

		Y-axis stroke (mm)									
		150	250	350	450	550	650	750	850	950	1050
Payload (kg)	15	14	13								
			20								
				30							

		Y-axis stroke (mm)									
		150	250	350	450	550	650	750	850	950	1050
Payload (kg)				8							
				20							
				20							
							30				
							30				

		Z-axis stroke (mm)									
		150	250	350	450	550	650	750	850	950	1050
Payload (kg)	10										
	10										
	8										
	3										
	5										
	10										
	8										
	15										
	14	13	12								
			20								
			30								

③	④	⑤	⑥ Decide the model	
Cable type	X-axis stroke (mm)	Maximum speed (X-axis / Y-axis) (mm/sec)	Model ^(Note 1)	Detailed info page
Cable carrier	150 to 650	720 / 720	PXYx-C-A*	P252
Cable type	X-axis stroke (mm)	Maximum speed (X-axis / Y-axis) (mm/sec)	Model	Detailed info page
Cable carrier	150 to 1050	1200 / 800	FXyX-C-A*	P254
Cable carrier	150 to 1050	1200 / 800	FXyX-C-A* (I/O)	P256
Cable carrier	150 to 2450	1875 / 1875	FXyBx-C-A*	P260
Whipover	150 to 950	1875 / 1875	FXyBx-S-A*	P262
Cable carrier	150 to 2450	1875 / 1875	FXyBx-C-A* (I/O)	P264
Cable carrier	150 to 1050	1200 / 1200	SXYx-C-A*	P266
Whipover	150 to 850	1200 / 1200	SXYx-S-A*	P268
Cable carrier	150 to 1050	1200 / 1200	SXYx-C-A* (I/O)	P270
Cable carrier	150 to 3050	1875 / 1875	SXYBx-C-A*	P284
Cable carrier	500 to 2000	1200 / 1200	NXY-C-A*	P292
Cable carrier	250 to 1250	1200 / 1200	MXyX-C-A*	P302
Whipover	250 to 850	1200 / 1200	MXyX-S-A*	P304
Cable carrier	250 to 1250	1200 / 1200	MXyX-C-A* (I/O)	P306
Cable carrier	250 to 1250	1200 / 1200	HXYx-C-A*	P312
Cable carrier	1150 to 2050	1200 / 1200	HXYLx-C-A*	P318
Cable type	X-axis stroke (mm)	Maximum speed (X-axis / Y-axis) (mm/sec)	Model	Detailed info page
Cable carrier	250 to 1050	1200 / 1200	MXyX-C-G*	P320
Cable carrier	250 to 1050	1200 / 1200	MXyX-C-G* (I/O)	P322
Cable carrier	250 to 1250	1200 / 1200	HXYx-C-G*	P328
Cable carrier	1150 to 2050	1200 / 1200	HXYLx-C-G*	P334
Cable type	X-axis stroke (mm)	Maximum speed (X-axis / Y-axis) (mm/sec)	Model	Detailed info page
Cable carrier	150 to 850	1200 / 1200	SXYx-C-M*	P336
Cable carrier	250 to 1250	1200 / 1200	MXyX-C-M*	P342
Cable carrier	250 to 1250	1200 / 1200	HXYx-C-M*	P348
Cable type	X-axis stroke (mm)	Maximum speed (X-axis / Y-axis) (mm/sec)	Model	Detailed info page
Whipover	150 to 850	1200 / 600	SXYx-S-P*	P350
Cable carrier	250 to 1250	1200 / 600	MXyX-C-P*	P351
Whipover	250 to 950	1200 / 600	MXyX-S-P*	P352
Cable carrier	250 to 1250	1200 / 600	HXYx-C-P*	P354
Whipover	250 to 850	1200 / 600	HXYx-S-P*	P355
Cable type	X-axis stroke (mm)	Maximum speed (X-axis / Y-axis) (mm/sec)	Model	Detailed info page
Cable carrier	150 to 1050	1200 / 600	SXYx-C-F* (ZF)	P358
Whipover	150 to 850	1200 / 600	SXYx-S-F* (ZF)	P359
Cable carrier	150 to 1050	1200 / 1200	SXYx-C-F* (ZFL20)	P360
Cable carrier	150 to 1050	1200 / 1000	SXYx-C-F* (ZS12)	P361
Cable carrier	150 to 1050	1200 / 500	SXYx-C-F* (ZS6)	P361
Cable carrier	150 to 3050	1875 / 600	SXYBx-C-F* (ZF)	P362
Cable carrier	150 to 3050	1875 / 1200	SXYBx-C-F* (ZFL20)	P363
Cable carrier	150 to 1050	1200 / 600	MXyX-C-F* (ZFL10)	P364
Cable carrier	150 to 1050	1200 / 600	MXyX-C-F* (ZFH)	P365
Cable carrier	250 to 1250	1200 / 600	HXYx-C-F* (ZL)	P366
Cable carrier	250 to 1250	1200 / 300	HXYx-C-F* (ZH)	P367

Note 1. The figure entered at * inside the form, expresses the arm variation. See P. 242 for more information.

3-axis spec selection guide

Setting method

While checking conditions in order starting from ①, proceed to the right. Select the desired model in ⑥.

① Select the arm variation

Arm type

The type with moving Y-axis carriage.

Gantry type

The type with a guide railing at the end of Y-axis for support.

Moving arm type

The type with a moving Y-axis arm.

Pole type

The type with vertically moving Y-axis carriage.

①

Arm type

②

Z-axis

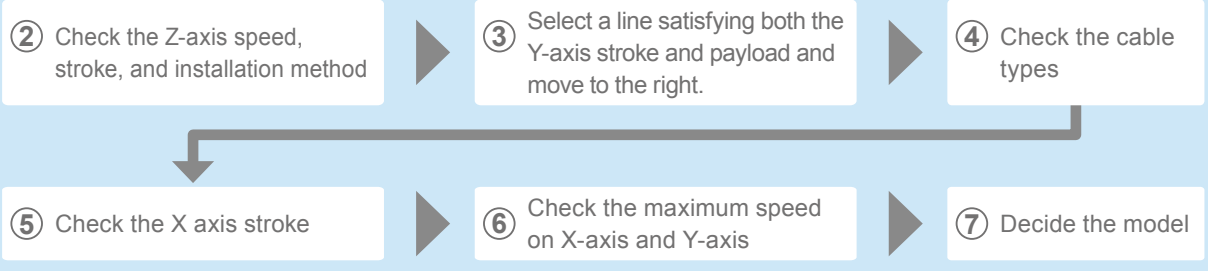
Speed (mm/sec)	Stroke (mm)	Installation method
1000	150	Shaft vertical type
500	150	
800	50 to 300	Clamped base · moving table type (60W)
600	150	Clamped base · moving table type (100W)
	250	
	350	
	150	Clamped base · moving table type (100W)
1200	250	Clamped base · moving table type (200W)
	350	
	150	
600	150	Clamped table · moving base type (200W)
	250	
	350	
1000	150	Shaft vertical type
500	150	
600	150	Clamped base · moving table type (100W)
	250	
	350	
1200	150	Clamped base · moving table type (200W)
	250	
	350	
600	150	Clamped table · moving base type (200W)
	250	
	350	
1000	150	Shaft vertical type
500	150	
1200	150	Clamped base · moving table type (200W)
	250	
	350	
600	150	Clamped table · moving base type (200W)
	250	
	350	
600	150	Clamped base · moving table type (200W)
	250	
	350	
1200	150	Clamped base · moving table type (200W)
	250	
	350	
600	150	Clamped base · moving table type (200W)
	250	
	450	
	550	
300	250	Clamped table · moving base type (200W)
	350	
	450	
	550	

③

Y-axis stroke (mm)

	150	250	350	450	550	650	750	850	950	1050
	3									
	5				3					
	3									
	10	9	7	5	3					
	10	8	6	4	2					
	10	9	7	5	3	1				
	10	9	7	5	3					
	10	10	8	6	4	2				
	10	9	7	5	3	1				
	8			6	4	2				
	8		7	5	3	1				
	8		6	4	2	1				
	13	10	8	6	4	2				
	12	9	7	5	3	1				
	11	8	6	4	2	1				
	3									
	3									
	5									
	5									
	8	6	4	2	1					
	7	5	3	1						
	6	4	2							
	7	5	3	1						
	6	4	2							
	5	3	1							
	7	5	3	1						
	6	4	2							
	5	3	1							
	3									
	5			4	3					
	8				5	3				
	8			7	4	2				
	8		6	3	1					
	13	12	10	8	5	3				
	13	11	9	7	4	2				
	12	10	8	6	3	1				
	15			12	12	8				
	15			11	11	7				
	15			10	10	6				
	8									
	8					7				
	8					6				
	14				12	8				
	13				11	7				
	12				10	6				
	20					18				
	20					17				
	20			19	16					
	20			18	15					
	25			20	18					
	25			20	17					
	24			19	16					
	23			18	15					

Payload (kg)



④	⑤	⑥	⑦ Decide the model	
Cable type	X-axis stroke (mm)	Maximum speed (X-axis / Y-axis) (mm/sec)	Model ^(Note 1)	Detailed info page
Cable carrier	150 to 1050	1200 / 800	FXYx-C-A*-ZS12	P.257
			FXYx-C-A*-ZS6	P.257
			FXYx-C-A*-ZT6	P.258
Cable carrier	150 to 1050	1200 / 1200	SXYx-C-A*-ZF	P.272
Whipover	150 to 850	1200 / 1200	SXYx-S-A*-ZF	P.273
Cable carrier	150 to 1050	1200 / 1200	SXYx-C-A*-ZFL20	P.274
Cable carrier	150 to 1050	1200 / 1200	SXYx-C-A*-ZFH	P.275
Cable carrier	150 to 1050	1200 / 1200	SXYx-C-A*-ZS12	P.276
Whipover	150 to 850		SXYx-S-A*-ZS12	P.276
Cable carrier	150 to 1050		SXYx-C-A*-ZS6	P.277
Whipover	150 to 850		SXYx-S-A*-ZS6	P.277
Cable carrier	150 to 3050	1875 / 1875	SXYBx-C-A*-ZF	P.286
Cable carrier	150 to 3050	1875 / 1875	SXYBx-C-A*-ZFL20	P.287
Cable carrier	150 to 3050	1875 / 1875	SXYBx-C-A*-ZFH	P.288
Cable carrier	150 to 3050	1875 / 1875	SXYBx-C-A*-ZS12	P.289
Cable carrier	150 to 3050	1875 / 1875	SXYBx-C-A*-ZS6	P.289
Cable carrier	500 to 2000	1200 / 1200	NXY-C-A*-ZFL20	P.294
Cable carrier	500 to 2000	1200 / 1200	NXY-C-A*-ZFH	P.296
Cable carrier	250 to 1250	1200 / 1200	MXYx-C-A*-ZFL10	P.307
Cable carrier	250 to 1250	1200 / 1200	MXYx-C-A*-ZFL20	P.307
Cable carrier	250 to 1250	1200 / 1200	MXYx-C-A*-ZFH	P.308
Cable carrier	250 to 1250	1200 / 1200	HXYx-C-A*-ZL	P.314
Cable carrier	250 to 1250	1200 / 1200	HXYx-C-A*-ZH	P.315

Note 1. The figure entered at * inside the form, expresses the arm variation. See P.242 for more information.

3-axis spec selection guide

- Articulated robots
YA
- Linear conveyor modules
LCM100
- Compact single-axis robots
TRANSEVO
- Single-axis robots
FLIP-X
- Linear motor single-axis robots
PHASER
- Cartesian robots
XY-X
- SCARA robots
YK-X
- Pick & place robots
YP-X
- CLEAN
- CONTROLLER INFORMATION
- Arm type
- Gantry type
- Moving arm type
- Pole type
- XZ type

① Gantry type

Z-axis		
Speed (mm/sec)	Stroke (mm)	Installation method
600	150	Clamped base · moving table type (200W)
	250	
	350	
1200	150	Clamped base · moving table type (200W)
	250	
	350	
600	150	Clamped table · moving base type (200W)
	250	
	350	
600	250	Clamped base · moving table type (200W)
	350	
	450	
	550	
300	250	Clamped table · moving base type (200W)
	350	
	450	
	550	

Payload (kg)	Y-axis stroke (mm)										
	150	250	350	450	550	650	750	850	950	1050	
Payload (kg)	15							12			
	15							11			
	15							10			
	8										
	8										
	8										
	14							12			
	13							11			
	12							10			
	20										
	20										
	20										
20											
30											
30											
30											
30											

Moving arm type

Z-axis		
Speed (mm/sec)	Stroke (mm)	Installation method
600	150	Clamped base · moving table type (100W)
	250	
	350	
1200	150	Clamped base · moving table type (200W)
	250	
	350	
600	150	Clamped table · moving base type (200W)
	250	
	350	
1000	150	Shaft vertical type
500	150	Shaft vertical type
600	150	Clamped base · moving table type (200W)
	250	
	350	
1200	150	Clamped base · moving table type (200W)
	250	
	350	
600	150	Clamped table · moving base type (200W)
	250	
	350	
300	250	Clamped table · moving base type (200W)
	350	
	450	
	550	

Payload (kg)	Y-axis stroke (mm)									
	150	250	350	450	550	650	750	850	950	1050
Payload (kg)	9	8	7							
	8	7	6							
	7	6	5							
	8	8	7							
	8	7	6							
	7	6	5							
	9	8	7							
	8	7	6							
	7	6	5							
	3									
	5									
	12									
	11									
	10									
	8									
	12									
	11									
	10									
18										
18					17					
18					16					
18					15					

Pole type

Z-axis		
Speed (mm/sec)	Stroke (mm)	Installation method
1200	150	Clamped table · moving base type (200W)
	250	
	350	
1200	250	Clamped table · moving base type (200W)
	350	
	450	
	550	
	650	
1200	250	Clamped table · moving base type (200W)
	350	
	450	
	550	
	650	

Payload (kg)	Y-axis stroke (mm)										
	150	250	350	450	550	650	750	850	950	1050	
Payload (kg)	10										
	9										
	8										
	15										
	15										
	15										
	15										
	15										
	15										
	15										
	15										

④	⑤	⑥	⑦ Decide the model	
Cable type	X-axis stroke (mm)	Maximum speed (X-axis / Y-axis) (mm/sec)	Model ^(Note 1)	Detailed info page
Cable carrier	250 to 1050	1200 / 1200	MXYx-C-G*-ZFL10	P.323
Cable carrier	250 to 1050	1200 / 1200	MXYx-C-G*-ZFL20	P.323
Cable carrier	250 to 1050	1200 / 1200	MXYx-C-G*-ZFH	P.324
Cable carrier	250 to 1250	1200 / 1200	HXYx-C-G*-ZL	P.330
Cable carrier	250 to 1250	1200 / 1200	HXYx-C-G*-ZH	P.331

Cable type	X-axis stroke (mm)	Maximum speed (X-axis / Y-axis) (mm/sec)	Model ^(Note 1)	Detailed info page
Whipover	150 to 850	1200 / 1200	SXYx-S-M*-ZF	P.338
Whipover	150 to 850	1200 / 1200	SXYx-S-M*-ZFL20	P.339
Whipover	150 to 850	1200 / 1200	SXYx-S-M*-ZFH	P.340
Whipover	150 to 850	1200 / 1200	SXYx-S-M*-ZS12	P.341
Whipover	150 to 850	1200 / 1200	SXYx-S-M*-ZS6	P.341
Cable carrier	250 to 1250	1200 / 1200	MXYx-C-M*-ZFL10	P.344
Cable carrier	250 to 1250	1200 / 1200	MXYx-C-M*-ZFL20	P.344
Cable carrier	250 to 1250	1200 / 1200	MXYx-C-M*-ZFH	P.345
Cable carrier	250 to 1250	1200 / 1200	HXYx-C-M*-ZH	P.348

Note 1. The figure entered at * inside the form, expresses the arm variation. See P.242 for more information.

Cable type	X-axis stroke (mm)	Maximum speed (X-axis / Y-axis) (mm/sec)	Model	Detailed info page
Cable carrier	250 to 1250	1200 / 600	MXYx-C-P2-ZPMH	P.353
Cable carrier	250 to 1250	1200 / 600	HXYx-C-P2-ZPH	P.356
Whipover	250 to 850	1200 / 600	HXYx-S-P1-ZPH	P.357