

RCP6 Series

Slider Type Motor Coupling Specification

* RCP6CR is the same.

High-output Setting Disabled

■ RCP6/RCP6S-SA4C

Lead 16

Orientation	Horizontal					Vertical				
	Acceleration (G)									
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0		4		3.5					1	
140		4		3.5					1	
280		4		3.5					1	
420		4		3					0.75	
560		3.5		2.5					0.75	
700		3		2					0.5	
840		2.5		1.5					0.5	

Lead 10

Orientation	Horizontal					Vertical				
	Acceleration (G)									
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0		10		8					2.25	
85		10		8					2.25	
175		10		8					2.25	
260		9		6					2	
350		7		5					2	
435		6		4					1.5	
525		5		3					1	

Lead 5

Orientation	Horizontal					Vertical				
	Acceleration (G)									
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0		12		10					4.5	
40		12		10					4.5	
85		12		10					4.5	
130		10		9					4	
175		10		8					4	
215		9		7					4	
260		8		6					2.5	

Lead 2.5

Orientation	Horizontal					Vertical				
	Acceleration (G)									
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0		12		12					9	
20		12		12					9	
40		12		12					9	
65		12		11					8	
85		11		10					8	
105		10		9					8	
130		10		8					5	

■ RCP6/RCP6S-SA6C

Lead 20

Orientation	Horizontal					Vertical				
	Acceleration (G)									
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0		8		5					0.75	
160		8		5					0.75	
320		8		5					0.75	
480		8		4					0.75	
640		6		3					0.75	
800		4		1.5					0.75	
960		2		0.5					0.5	

Lead 12

Orientation	Horizontal					Vertical				
	Acceleration (G)									
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0		14		10					2	
80		14		10					2	
200		14		10					2	
320		14		10					2	
440		11		7					1.5	
560		7		2.5					1	
680		4		1					0.5	

Lead 6

Orientation	Horizontal					Vertical				
	Acceleration (G)									
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0		20		14					5	
40		20		14					5	
100		20		14					5	
160		20		14					5	
220		16		14					4	
280		13		7					2.5	
340		10		1					1	

Lead 3

Orientation	Horizontal					Vertical				
	Acceleration (G)									
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0		25		22					10	
20		25		22					10	
50		25		22					10	
80		25		22					10	
110		20		14					8	
140		15		11					5	
170		11		9					2	

■ RCP6/RCP6S-SA7C

Lead 24

Orientation	Horizontal					Vertical				
	Acceleration (G)									
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0		18		10					2	
200		18		10					2	
420		18		10					2	
640		10		2					1	
800		5		0.5					0.5	

Lead 16

Orientation	Horizontal					Vertical				
	Acceleration (G)									
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0		35		20					5	
140		35		20					5	
280		25		12					3	
420		15		6					1.5	
560		7		0.5					0.5	

Lead 8

Orientation	Horizontal					Vertical				
	Acceleration (G)									
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0		40		25					10	
70		40		25					10	
140		40		25					7	
210		25		14					4	
280		10		1					1.5	

Lead 4

Orientation	Horizontal					Vertical				
	Acceleration (G)									
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0		40		30					15	
35		40		30					15	
70		40		30					15	
105		40		30					8	
140		15		6					2	

Foreword
Slider Type
Wide Slider Type
Rod Type
Radial Cylinder
Wide Radial Cylinder
Table Type
Cleanroom Slider
Cleanroom Wide Slider
Dust/Splash-Proof Rod
Dust/Splash-Proof Radial Cylinder
Dust/Splash-Proof Wide Radial Cylinder
Options
Reference Data
Controller

RCP6 Series

Slider Type Side-Mounted Motor Specification

High-output Setting Disabled

■ RCP6/RCP6S-SA4R

Lead 16

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	4	3.5				1				
140	4	3.5				1				
280	4	3.5				1				
420	4	3				0.75				
560	3.5	2.5				0.75				
700	3	2				0.5				
840	2.5	1.5				0.5				

Lead 10

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	10	8				2.25				
85	10	8				2.25				
175	10	8				2.25				
260	9	6				2				
350	7	5				2				
435	6	4				1.5				
525	5	3				1				

Lead 5

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	12	10				4.5				
40	12	10				4.5				
85	12	10				4.5				
130	10	9				4				
175	10	8				4				
215	9	7				4				
260	8	6				2.5				

Lead 2.5

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	12	12				9				
20	12	12				9				
40	12	12				9				
65	12	11				8				
85	11	10				8				
105	10	9				8				
130	10	8				5				

■ RCP6/RCP6S-SA6R

Lead 20

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	8	5				0.75				
160	8	5				0.75				
320	8	5				0.75				
480	8	4				0.75				
640	6	3				0.75				
800	4	1.5				0.75				
960	2	0.5				0.5				

Lead 12

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	14	10				2				
80	14	10				2				
200	14	10				2				
320	14	10				2				
440	11	7				1.5				
560	7	2.5				1				
680	4	1				0.5				

Lead 6

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	20	14				5				
40	20	14				5				
100	20	14				5				
160	20	14				5				
220	16	14				4				
280	13	7				2.5				
340	10	1				1				

Lead 3

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	25	22				10				
20	25	22				10				
50	25	22				10				
80	25	22				10				
110	20	14				8				
140	15	11				5				
170	11	9				2				

■ RCP6/RCP6S-SA7R

Lead 24

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	18	10				2				
200	18	10				2				
420	18	10				2				
640	10	2				1				
800	5	0.5				0.5				

Lead 16

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	35	20				5				
140	35	20				5				
280	25	12				3				
420	15	6				1.5				
560	7	0.5				0.5				

Lead 8

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	40	25				10				
70	40	25				10				
140	40	25				7				
210	25	14				4				
280	10	1				1.5				

Lead 4

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	40	30				15				
35	40	30				15				
70	40	30				15				
105	40	30				8				
140	15	6				2				

RCP6 Series

Slider Type Motor Coupling Specification

* RCP6CR is the same.

High-output Setting Disabled

■ RCP6/RCP6S-WSA10C

Lead 16

Orientation	Horizontal				
	Acceleration (G)				
Speed (mm/s)	0.1	0.3	0.5	0.7	1
0	4	3			
140	4	3			
280	4	3			
420	4	3			
560	3.5	1			

Lead 10

Orientation	Horizontal				
	Acceleration (G)				
Speed (mm/s)	0.1	0.3	0.5	0.7	1
0	12	9.5			
85	12	9.5			
175	12	9			
260	12	9			
350	10.5	6.5			
435	6	3.5			
525	3	1.5			

Lead 5

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	25	20				3		
40	25	20				3		
85	25	20				3		
130	25	20				3		
175	25	19				3		
215	19	13				3		
260	10.5	7.5				2		

Lead 2.5

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	36	27				10		
20	36	27				10		
40	36	27				10		
65	36	27				10		
85	36	27				9		
105	36	27				7		
130	33	20				4.5		

■ RCP6/RCP6S-WSA12C

Lead 20

Orientation	Horizontal				
	Acceleration (G)				
Speed (mm/s)	0.1	0.3	0.5	0.7	1
0	8	4			
160	8	4			
320	8	4			
480	8	4			
640	5	3			

Lead 12

Orientation	Horizontal				
	Acceleration (G)				
Speed (mm/s)	0.1	0.3	0.5	0.7	1
0	18	15.5			
100	18	15.5			
200	18	14			
285	18	11			
400	12	7.5			
500	6	4			

Lead 6

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	30	30				8		
50	30	30				8		
100	30	30				8		
140	30	30				8		
200	30	19				5.5		
250	19	16.5				3		
290	14	9				2		

Lead 3

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	42	33				15		
25	42	33				15		
50	42	33				15		
65	42	33				13		
100	42	33				12		
125	42	30				8		
150	30	24				4.5		

■ RCP6/RCP6S-WSA14C

Lead 24

Orientation	Horizontal				
	Acceleration (G)				
Speed (mm/s)	0.1	0.3	0.5	0.7	1
0	15.5	12			
140	15.5	12			
420	13	8			
560	7.5	3			

Lead 16

Orientation	Horizontal				
	Acceleration (G)				
Speed (mm/s)	0.1	0.3	0.5	0.7	1
0	33	24.5			
140	33	24.5			
280	22.5	12.5			
420	9.5	3.5			

Lead 8

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	45	33				11		
70	45	33				11		
140	45	27.5				10.5		
210	13.5	9				3		

Lead 4

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	54	48				18		
35	54	48				18		
70	54	48				18		
105	36	24				6		

RCP6 Series

Slider Type Side-Mounted Motor Specification

High-output Setting Disabled

■ RCP6/RCP6S-WSA10R

Lead 16

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	4		3		
140	4		3		
280	4		3		
420	4		3		
560	3.5		1		

Lead 10

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	12		9.5		
85	12		9.5		
175	12		9		
260	12		9		
350	10.5		6.5		
435	6		3.5		
525	3		1.5		

Lead 5

Orientation	Horizontal					Vertical		
Speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	25		20			3		
40	25		20			3		
85	25		20			3		
130	25		20			3		
175	25		19			3		
215	19		13			3		
260	10.5		7.5			2		

Lead 2.5

Orientation	Horizontal					Vertical		
Speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	36		27			10		
20	36		27			10		
40	36		27			10		
65	36		27			10		
85	36		27			9		
105	36		27			7		
130	33		20			4.5		

■ RCP6/RCP6S-WSA12R

Lead 20

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	8		4		
160	8		4		
320	8		4		
480	8		4		
640	5		3		

Lead 12

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	18		15.5		
100	18		15.5		
200	18		14		
285	18		11		
400	12		7.5		
500	6		4		

Lead 6

Orientation	Horizontal					Vertical		
Speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	30		30			8		
50	30		30			8		
100	30		30			8		
140	30		30			8		
200	30		19			5.5		
250	19		16.5			3		
290	14		9			2		

Lead 3

Orientation	Horizontal					Vertical		
Speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	42		33			15		
25	42		33			15		
50	42		33			15		
65	42		33			13		
100	42		33			12		
125	42		30			8		
150	30		24			4.5		

■ RCP6/RCP6S-WSA14R

Lead 24

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	15.5		12		
140	15.5		12		
420	13		8		
560	7.5		3		

Lead 16

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	33		24.5		
140	33		24.5		
280	22.5		12.5		
420	9.5		3.5		

Lead 8

Orientation	Horizontal					Vertical		
Speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	45		33			11		
70	45		33			11		
140	45		27.5			10.5		
210	13.5		9			3		

Lead 4

Orientation	Horizontal					Vertical		
Speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	54		48			18		
35	54		48			18		
70	54		48			18		
105	36		24			6		

RCP6 Series

Rod Type Motor Coupling Specification

High-output Setting Disabled

■ RCP6/RCP6S-RR4C

Lead 16

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	5	3				1				
140	5	3				1				
280	5	3				1				
420	4	2.5				0.5				
560	3	1.5				0.5				

Lead 10

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	10	8				2				
85	10	8				2				
175	10	8				2				
260	9	7				2				
350	7	5				1.5				
435	6	3				1				
525	1					0.5				

Lead 5

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	22	20				5				
40	22	20				5				
85	22	20				5				
130	22	18				5				
175	20	14				4				
215	15	10				3				
260	12	6				2				

Lead 2.5

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	35	30				10				
20	35	30				10				
40	35	30				10				
65	35	25				10				
85	30	20				7				
105	25	15				5				
130	20	10				4				

■ RCP6/RCP6S-RR6C

Lead 20

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	6	5				1				
160	6	5				1				
320	6	5				1				
480	4	3				1				
640	3	1				0.5				

Lead 12

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	25	10				4				
100	25	10				4				
200	25	10				4				
300	20	8				3				
400	10	5				2				
500	5	2				1				

Lead 6

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	40	20				10				
50	40	20				10				
100	40	20				10				
150	40	20				8				
200	35	18				5				
250	10	6				3				

Lead 3

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	40	25				20				
25	40	25				20				
50	40	25				20				
75	40	25				12				
100	40	25				9				
125	40	25				5				

■ RCP6/RCP6S-RR7C

Lead 24

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	18	9.5				3				
200	18	9.5				3				
420	10	5				1.5				
600	1									

Lead 16

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	40	25				5				
140	40	25				5				
280	18	12				2				
420	1.5	1								

Lead 8

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	50	30				17.5				
70	50	30				17.5				
140	50	30				7				
210	14	7				2				

Lead 4

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	55	50				26				
35	55	50				26				
70	55	50				13				
105	30	15				2				

RCP6 Series

Rod Type Side-Mounted Motor Specification

High-output Setting Disabled

■ RCP6/RCP6S-RRA4R

Lead 16

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0	5	3				1				
140	5	3				1				
280	5	3				1				
420	4	2.5				0.5				
560	3	1.5				0.5				

Lead 10

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0	10	8				2				
85	10	8				2				
175	10	8				2				
260	9	7				2				
350	7	5				1.5				
435	6	3				1				
525	1					0.5				

Lead 5

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0	22	20				5				
40	22	20				5				
85	22	20				5				
130	22	18				5				
175	20	14				4				
215	15	10				3				
260	12	6				2				

Lead 2.5

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0	35	30				10				
20	35	30				10				
40	35	30				10				
65	35	25				10				
85	30	20				7				
105	25	15				5				
130	20	10				4				

■ RCP6/RCP6S-RRA6R

Lead 20

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0	6	5				1				
160	6	5				1				
320	6	5				1				
480	4	3				1				
640	3	1				0.5				

Lead 12

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0	25	10				4				
100	25	10				4				
200	25	10				4				
300	20	8				3				
400	10	5				2				
500	5	2				1				

Lead 6

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0	40	20				10				
50	40	20				10				
100	40	20				10				
150	40	20				8				
200	35	18				5				
250	10	6				3				

Lead 3

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0	40	25				20				
25	40	25				20				
50	40	25				20				
75	40	25				12				
100	40	25				9				
125	40	25				5				

■ RCP6/RCP6S-RRA7R

Lead 24

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0	18	9.5				3				
200	18	9.5				3				
420	10	5				1.5				
600	1									

Lead 16

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0	40	25				5				
140	40	25				5				
280	18	12				2				
420	1.5	1								

Lead 8

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0	50	30				17.5				
70	50	30				17.5				
140	50	30				7				
210	14	7				2				

Lead 4

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0	55	50				26				
35	55	50				26				
70	55	50				13				
105	30	15				2				

RCP6 Series

Rod Type Motor Coupling Specification

High-output Setting Disabled

■ RCP6/RCP6S-WRA10C

Lead 16

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	3.5	0.5			
140	3.5	0.5			
280	3.5	0.5			
420	3.5	0.5			
560	2.5				

Lead 10

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	9.5	8			
85	9.5	8			
175	9.5	8			
260	9.5	6.5			
350	7.5	6			
435	5	2.5			

Lead 5

Orientation	Horizontal					Vertical		
Speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	25	19				5		
40	25	19				5		
85	25	19				5		
130	25	19				5		
175	25	15.5				4		
215	18	12				2.5		
260	10.5	6.5						

Lead 2.5

Orientation	Horizontal					Vertical		
Speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	40	27				10		
20	40	27				10		
40	36	27				10		
65	36	27				10		
85	36	27				8.5		
105	36	27				6		
130	33	22.5				3.5		

■ RCP6/RCP6S-WRA12C

Lead 20

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	7.5	5.5			
160	7.5	5.5			
320	7.5	2.5			
480	3	0.5			

Lead 12

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	18.5	10.5			
80	18.5	10.5			
200	18.5	9.5			
320	15	7			
440	3	1.5			

Lead 6

Orientation	Horizontal					Vertical		
Speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	39	30				6		
40	39	30				6		
100	39	30				6		
160	39	24				5		
220	24	15				2		

Lead 3

Orientation	Horizontal					Vertical		
Speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	60	45				13		
20	60	45				13		
50	60	45				13		
80	60	45				12		
110	60	45				6		

■ RCP6/RCP6S-WRA14C

Lead 24

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	18	9.5			
210	18	9.5			
420	8	3			

Lead 16

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	37	27			
140	37	27			
280	18	13			
420	3.5				

Lead 8

Orientation	Horizontal					Vertical		
Speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	45	33				12		
70	45	33				12		
140	45	27				6		
210	12	4.5						

Lead 4

Orientation	Horizontal					Vertical		
Speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	57	48				18		
35	57	48				18		
70	57	48				13.5		
105	12	7.5				1		

Foreword

Slider Type

Wide
Slider Type

Rod Type

Radial
CylinderWide Radial
Cylinder

Table Type

Cleanroom
SliderCleanroom
Wide SliderDust/Splash-Proof
RodDust/Splash-Proof
Radial CylinderDust/Splash-Proof
Wide Radial Cylinder

Options

Reference
Data

Controller

RCP6 Series

Rod Type Side-Mounted Motor Specification

High-output Setting Disabled

■ RCP6/RCP6S-WRA10R

Lead 16

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	3.5	0.5			
140	3.5	0.5			
280	3.5	0.5			
420	3.5	0.5			
560	2.5				

Lead 10

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	9.5	8			
85	9.5	8			
175	9.5	8			
260	9.5	6.5			
350	7.5	6			
435	5	2.5			

Lead 5

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
	0	25	19				5	
40	25	19				5		
85	25	19				5		
130	25	19				5		
175	25	15.5				4		
215	18	12				2.5		
260	10.5	6.5						

Lead 2.5

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
	0	40	27				10	
20	40	27				10		
40	36	27				10		
65	36	27				10		
85	36	27				8.5		
105	36	27				6		
130	33	22.5				3.5		

■ RCP6/RCP6S-WRA12R

Lead 20

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	7.5	5.5			
160	7.5	5.5			
320	7.5	2.5			
480	3	0.5			

Lead 12

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	18.5	10.5			
80	18.5	10.5			
200	18.5	9.5			
320	15	7			
440	3	1.5			

Lead 6

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
	0	39	30				6	
40	39	30				6		
100	39	30				6		
160	39	24				5		
220	24	15				2		

Lead 3

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
	0	60	45				13	
20	60	45				13		
50	60	45				13		
80	60	45				12		
110	60	45				6		

■ RCP6/RCP6S-WRA14R

Lead 24

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	18	9.5			
210	18	9.5			
420	8	3			

Lead 16

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	37	27			
140	37	27			
280	18	13			
420	3.5				

Lead 8

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
	0	45	33				12	
70	45	33				12		
140	45	27				6		
210	12	4.5						

Lead 4

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
	0	57	48				18	
35	57	48				18		
70	57	48				13.5		
105	12	7.5				1		

RCP6 Series

Rod Type Motor Coupling Specification

High-output Setting Disabled

■ RCP6/RCP6S-RA4C

Lead 16

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0		5		3						1
140		5		3						1
280		5		3						1
420		4		2.5						0.5
560		3		1.5						0.5

Lead 10

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0			10		8					2
85			10		8					2
175			10		8					2
260			9		7					2
350			7		5					1.5
435			6		3					1
525			1							0.5

Lead 5

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0			22		20					5
40			22		20					5
85			22		20					5
130			22		18					5
175			20		14					4
215			15		10					3
260			12		6					2

Lead 2.5

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0			35		30					10
20			35		30					10
40			35		30					10
65			35		25					10
85			30		20					7
105			25		15					5
130			20		10					4

■ RCP6/RCP6S-RA6C

Lead 20

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0			6		5					1
160			6		5					1
320			6		4					1
480			4		3					1
640			3		1					0.5

Lead 12

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0			25		10					4
100			25		10					4
200			25		10					4
300			20		8					3
400			10		5					2
500			5		2					1

Lead 6

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0			40		20					10
50			40		20					10
100			40		20					10
150			40		20					8
200			35		18					5
250			10		6					3

Lead 3

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0			40		25					20
50			40		25					20
75			40		25					12
100			40		25					9
125			40		25					5

■ RCP6/RCP6S-RA7C

Lead 24

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0			18		9.5					3
200			18		9.5					3
400			11		6					1.5
420			10		5					
600			1							

Lead 16

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0			40		25					5
140			40		25					5
280			18		12					2
420			1.5		1					

Lead 8

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0			50		30					17.5
70			50		30					17.5
140			50		30					7
210			14		7					2

Lead 4

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0			55		50					26
35			55		50					26
70			55		50					13
105			30		15					2

RCP6 Series

Rod Type Side-Mounted Motor Specification

High-output Setting Disabled

■ RCP6/RCP6S-RA4R

Lead 16

Orientation	Horizontal					Vertical				
	Acceleration (G)									
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0	5	3				1				
140	5	3				1				
280	5	3				1				
420	4	2.5				0.5				
560	3	1.5				0.5				

Lead 10

Orientation	Horizontal					Vertical				
	Acceleration (G)									
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0	10	8				2				
85	10	8				2				
175	10	8				2				
260	9	7				2				
350	7	5				1.5				
435	6	3				1				
525	1					0.5				

Lead 5

Orientation	Horizontal					Vertical				
	Acceleration (G)									
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0	22	20				5				
40	22	20				5				
85	22	20				5				
130	22	18				5				
175	20	14				4				
215	15	10				3				
260	12	6				2				

Lead 2.5

Orientation	Horizontal					Vertical				
	Acceleration (G)									
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0	35	30				10				
20	35	30				10				
40	35	30				10				
65	35	25				10				
85	30	20				7				
105	25	15				5				
130	20	10				4				

■ RCP6/RCP6S-RA6R

Lead 20

Orientation	Horizontal					Vertical				
	Acceleration (G)									
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0	6	5				1				
160	6	5				1				
320	6	4				1				
480	4	3				1				
640	3	1				0.5				

Lead 12

Orientation	Horizontal					Vertical				
	Acceleration (G)									
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0	25	10				4				
100	25	10				4				
200	25	10				4				
300	20	8				3				
400	10	5				2				
500	5	2				1				

Lead 6

Orientation	Horizontal					Vertical				
	Acceleration (G)									
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0	40	20				10				
50	40	20				10				
100	40	20				10				
150	40	20				8				
200	35	18				5				
250	10	6				3				

Lead 3

Orientation	Horizontal					Vertical				
	Acceleration (G)									
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0	40	25				20				
25	40	25				20				
50	40	25				20				
75	40	25				12				
100	40	25				9				
125	40	25				5				

■ RCP6/RCP6S-RA7R

Lead 24

Orientation	Horizontal					Vertical				
	Acceleration (G)									
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0	18	9.5				3				
200	18	9.5				3				
400	11	6				1.5				
420	10	5								
600	1									

Lead 16

Orientation	Horizontal					Vertical				
	Acceleration (G)									
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0	40	25				5				
140	40	25				5				
280	18	12				2				
420	1.5	1								

Lead 8

Orientation	Horizontal					Vertical				
	Acceleration (G)									
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0	50	30				17.5				
70	50	30				17.5				
140	50	30				7				
210	14	7				2				

Lead 4

Orientation	Horizontal					Vertical				
	Acceleration (G)									
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	0.7	1
0	55	50				26				
35	55	50				26				
70	55	50				13				
105	30	15				2				

Foreword
Slider Type
Wide Slider Type
Rod Type
Radial Cylinder
Wide Radial Cylinder
Table Type
Cleanroom Slider
Cleanroom Wide Slider
Dust/Splash-Proof Rod
Dust/Splash-Proof Radial Cylinder
Dust/Splash-Proof Wide Radial Cylinder
Options
Reference Data
Controller

RCP6W Series

Rod Type Motor Coupling Specification

High-output Setting Enabled

■ RCP6W/RCP6SW-RA7C

<When ambient temperature exceeds 5°C>

Lead 16

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	50	50	40	35	30	8	8	8		
140	50	50	40	35	30	8	8	8		
280	50	45	32	22	17	6	6	5		
420	50	18	9	6	5	1.5	1	0.5		

Lead 8

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	60	60	50	45	40	18	18	18		
70	60	60	50	45	40	18	18	18		
140	60	60	50	45	40	16	16	12		
210	60	60	40	30	20	8	7	6		
280	60	20	9	6	3	3	2	1		
350	20									

Lead 4

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	80	80	70	65	60	28	28	28		
35	80	80	70	65	60	28	28	28		
70	80	80	70	65	60	28	28	28		
105	80	80	60	50	40	21	20	18		
140	67	47	10	6	6	8	6	6		

<When ambient temperature is 5°C or below>

Lead 16

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	50	50	40	35	30	8	8	8		
140	50	50	40	35	30	8	8	8		
280	50	45	32	22	17	6	6	5		

Lead 8

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	60	60	50	45	40	18	18	18		
70	60	60	50	45	40	18	18	18		
140	60	60	50	45	40	8	8	8		

Lead 4

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	80	80	70	65	60	28	28	28		
35	80	80	70	65	60	28	28	28		
60	80	80	70	65	60	28	28	28		
70	80	80	70	65	60	21	21	21		
105	80	80	60	50	40	8	8	8		

■ RCP6W/RCP6SW-RA8C

<When ambient temperature exceeds 5°C>

Lead 20

Orientation	Horizontal	Orientation	Vertical
Speed (mm/s)	Acceleration (G)	Speed (mm/s)	Acceleration (G)
	0.2		0.2
0	30	0	3
300	30	300	3
350	14	330	1

Lead 10

Orientation	Horizontal	Orientation	Vertical
Speed (mm/s)	Acceleration (G)	Speed (mm/s)	Acceleration (G)
	0.2		0.2
0	60	0	35
160	60	80	35
170	40	90	34
180	25	100	28
190	15	110	23
200	12	120	18
		130	15
		140	12
		150	10
		160	8
		170	6
		180	4
		190	3
		200	2

Lead 5

Orientation	Horizontal	Orientation	Vertical
Speed (mm/s)	Acceleration (G)	Speed (mm/s)	Acceleration (G)
	0.1		0.1
0	100	0	70
80	100	45	70
90	100	60	45
100	75	70	35
		80	25
		90	14
		100	9

<When ambient temperature is 5°C or below>

Lead 20

Orientation	Horizontal	Orientation	Vertical
Speed (mm/s)	Acceleration (G)	Speed (mm/s)	Acceleration (G)
	0.2		0.2
0	30	0	3
300	30	300	3

Lead 10

Orientation	Horizontal	Orientation	Vertical
Speed (mm/s)	Acceleration (G)	Speed (mm/s)	Acceleration (G)
	0.2		0.2
0	60	0	35
160	60	80	35
170	40	90	34
		100	28
		110	23
		120	18
		130	15
		140	12
		150	10
		160	8
		170	6

Lead 5

Orientation	Horizontal	Orientation	Vertical
Speed (mm/s)	Acceleration (G)	Speed (mm/s)	Acceleration (G)
	0.1		0.1
0	100	0	70
80	100	45	70
		60	35
		70	25
		80	9

Foreword
Slider Type
Wide Slider Type
Rod Type
Radial Cylinder
Wide Radial Cylinder
Table Type
Cleanroom Slider
Cleanroom Wide Slider
Dust/Splash-Proof Rod
Dust/Splash-Proof Radial Cylinder
Dust/Splash-Proof Wide Radial Cylinder
Options
Reference Data
Controller

Tables of Payload by Speed/Acceleration

RCP6W Series

Rod Type Side-Mounted Motor Specification

High-output Setting Enabled

■ RCP6W/RCP6SW-RA4R

<When ambient temperature exceeds 5°C>

Lead 10

Orientation	Horizontal					Vertical			
Speed (mm/s)	Acceleration (G)								
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	
0	11	11	9	9	7	2	2	2	
85	11	11	9	9	7	2	2	2	
175	11	11	8	7	5	2	2	2	
260	11	11	7	4	2	2	2	2	
350	11	11	7	3	1	2	2	2	
435	11	10	6	3	1	1.5	1	1	
525	4	1							

Lead 5

Orientation	Horizontal					Vertical			
Speed (mm/s)	Acceleration (G)								
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	
0	23	23	21	18	18	4	4	4	
40	23	23	21	18	18	4	4	4	
85	23	23	21	18	18	4	4	4	
130	23	23	21	18	18	4	4	4	
175	23	23	21	16	14	4	4	4	
215	23	23	21	14	12	4	4	4	
260	23	22	18	12	8	4	4	4	
305	22	14	8	6	4	3	3	3	
350	19	5	1			2	1	1	

Lead 2.5

Orientation	Horizontal					Vertical			
Speed (mm/s)	Acceleration (G)								
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	
0	40	40	40	35	30	10	10	10	
20	40	40	40	35	30	10	10	10	
40	40	40	40	35	30	10	10	10	
65	40	40	40	30	30	10	10	10	
85	40	40	35	30	30	10	10	10	
105	40	40	35	30	30	10	6	6	
130	40	40	35	30	30	4	4	4	
150	40	35	35	29	24	2	2	2	
175	33	24	22	19	12				

<When ambient temperature is 5°C or below>

Lead 10

Orientation	Horizontal					Vertical			
Speed (mm/s)	Acceleration (G)								
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	
0	11	11	9	9	7	2	2	2	
85	11	11	9	9	7	2	2	2	
175	11	11	8	7	5	2	2	2	
260	11	11	7	4	2	2	2	2	
350	11	11	7	3	1	2	2	2	
435	11	10	6	3	1	1.5	1	1	

Lead 5

Orientation	Horizontal					Vertical			
Speed (mm/s)	Acceleration (G)								
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	
0	23	23	21	18	18	4	4	4	
40	23	23	21	18	18	4	4	4	
85	23	23	21	18	18	4	4	4	
130	23	23	21	18	18	4	4	4	
175	23	23	21	16	14	4	4	4	
215	23	23	21	14	12	4	4	4	
260	23	22	18	12	8	4	4	4	

Lead 2.5

Orientation	Horizontal					Vertical			
Speed (mm/s)	Acceleration (G)								
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	
0	40	40	40	35	30	10	10	10	
20	40	40	40	35	30	10	10	10	
40	40	40	40	35	30	10	10	10	
65	40	40	40	30	30	10	10	10	
85	40	40	35	30	30	10	10	10	
105	40	40	35	30	30	10	6	6	
130	40	40	35	30	30	4	4	4	

■ RCP6W/RCP6SW-RA6R

<When ambient temperature exceeds 5°C>

Lead 12

Orientation	Horizontal					Vertical			
Speed (mm/s)	Acceleration (G)								
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	
0	25	25	18	16	12	4	4	4	
105	25	25	18	16	12	4	4	4	
210	25	25	17	14	10	4	4	4	
315	25	25	15	10	6	4	4	4	
420	20	20	10	10	6	4	4	4	
525	15	15	8	6	4.5	2	1	1	
630	8	3	2	1					

Lead 6

Orientation	Horizontal					Vertical			
Speed (mm/s)	Acceleration (G)								
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	
0	40	40	35	30	25	10	10	10	
55	40	40	35	30	25	10	10	10	
105	40	40	35	30	25	10	10	10	
160	40	40	35	25	25	10	10	10	
210	40	40	30	25	20	9	9	9	
265	40	40	27.5	22.5	18	8	8	7	
315	40	35	21	20	14	4	4	4	
370	38	16	10	8	6	2	2	2	
420	28	7	6						

Lead 3

Orientation	Horizontal					Vertical			
Speed (mm/s)	Acceleration (G)								
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	
0	60	60	50	45	40	20	20	20	
20	60	60	50	45	40	20	20	20	
45	60	60	50	45	40	20	20	20	
70	60	60	50	45	40	20	20	20	
105	60	60	50	45	40	20	20	20	
130	60	60	50	40	30	18	14	10	
155	60	50	40	30	25	14	10	6	
180	60	40	35	25	20	9	6	5	
210	60	26	22	20	14	6	4	4	

<When ambient temperature is 5°C or below>

Lead 12

Orientation	Horizontal					Vertical			
Speed (mm/s)	Acceleration (G)								
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	
0	25	25	18	16	12	4	4	4	
105	25	25	18	16	12	4	4	4	
210	25	25	17	14	10	4	4	4	
315	25	25	15	10	6	4	4	4	
420	20	20	10	10	6	4	4	4	
525	15	15	8	6	4.5	2	1	1	

Lead 6

Orientation	Horizontal					Vertical			
Speed (mm/s)	Acceleration (G)								
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	
0	40	40	35	30	25	10	10	10	
55	40	40	35	30	25	10	10	10	
105	40	40	35	30	25	10	10	10	
160	40	40	35	25	25	10	10	10	
210	40	40	30	25	20	9	9	9	
265	40	40	27.5	22.5	18	8	8	7	
315	40	35	21	20	14	4	4	4	

Lead 3

Orientation	Horizontal					Vertical			
Speed (mm/s)	Acceleration (G)								
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	
0	60	60	50	45	40	20	20	20	
20	60	60	50	45	40	20	20	20	
45	60	60	50	45	40	20	20	20	
70	60	60	50	45	40	20	20	20	
105	60	60	50	45	40	20	20	20	

RCP6W Series

Rod Type Side-Mounted Motor Specification

High-output Setting Enabled

■ RCP6W/RCP6SW-RA7R

<When ambient temperature exceeds 5°C>

Lead 16

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	50	50	40	35	30	8	8	8		
140	50	50	40	35	30	8	8	8		
280	50	45	32	22	17	6	6	5		
420	50	18	9	6	5	1.5	1	0.5		

Lead 8

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	60	60	50	45	40	18	18	18		
70	60	60	50	45	40	18	18	18		
140	60	60	50	45	40	16	16	12		
210	60	60	40	30	20	8	7	6		
280	60	20	9	6	3	3	2	1		
350	20									

Lead 4

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	80	80	70	65	60	28	28	28		
35	80	80	70	65	60	28	28	28		
70	80	80	70	65	60	28	28	28		
105	80	80	60	50	40	21	20	18		
140	67	47	10	6	6	8	6	6		

<When ambient temperature is 5°C or below>

Lead 16

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	50	50	40	35	30	8	8	8		
140	50	50	40	35	30	8	8	8		
280	50	45	32	22	17	6	6	5		

Lead 8

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	60	60	50	45	40	18	18	18		
70	60	60	50	45	40	18	18	18		
140	60	60	50	45	40	8	8	8		

Lead 4

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	80	80	70	65	60	28	28	28		
35	80	80	70	65	60	28	28	28		
60	80	80	70	65	60	28	28	28		
70	80	80	70	65	60	21	21	21		
105	80	80	60	50	40	8	8	8		

■ RCP6W/RCP6SW-RA8R

<When ambient temperature exceeds 5°C>

Lead 20

Orientation	Horizontal	Orientation	Vertical
Speed (mm/s)	Acceleration (G)	Speed (mm/s)	Acceleration (G)
	0.2		0.2
0	30	0	3
300	30	300	3
350	14	330	1

Lead 10

Orientation	Horizontal	Orientation	Vertical
Speed (mm/s)	Acceleration (G)	Speed (mm/s)	Acceleration (G)
	0.2		0.2
0	60	0	35
160	60	80	35
170	40	90	34
180	25	100	28
190	15	110	23
200	12	120	18
		130	15
		140	12
		150	10
		160	8
		170	6
		180	4
		190	3
		200	2

Lead 5

Orientation	Horizontal	Orientation	Vertical
Speed (mm/s)	Acceleration (G)	Speed (mm/s)	Acceleration (G)
	0.1		0.1
0	100	0	70
80	100	45	70
90	100	60	45
100	75	70	35
		80	25
		90	14
		100	9

<When ambient temperature is 5°C or below>

Lead 20

Orientation	Horizontal	Orientation	Vertical
Speed (mm/s)	Acceleration (G)	Speed (mm/s)	Acceleration (G)
	0.2		0.2
0	30	0	3
300	30	300	3

Lead 10

Orientation	Horizontal	Orientation	Vertical
Speed (mm/s)	Acceleration (G)	Speed (mm/s)	Acceleration (G)
	0.2		0.2
0	60	0	35
160	60	80	35
170	40	90	34
		100	28
		110	23
		120	18
		130	15
		140	12
		150	10
		160	8
		170	6

Lead 5

Orientation	Horizontal	Orientation	Vertical
Speed (mm/s)	Acceleration (G)	Speed (mm/s)	Acceleration (G)
	0.1		0.1
0	100	0	70
80	100	45	70
		60	35
		70	25
		80	9

Foreword
Slider Type
Wide Slider Type
Rod Type
Radial Cylinder
Wide Radial Cylinder
Table Type
Cleanroom Slider
Cleanroom Wide Slider
Dust/Splash-Proof Rod
Dust/Splash-Proof Radial Cylinder
Dust/Splash-Proof Wide Radial Cylinder
Options
Reference Data
Controller

RCP6W Series

Rod Type Motor Coupling Specification

High-output Setting Enabled

■ RCP6W/RCP6SW-RR A7C

<When ambient temperature exceeds 5°C>

Lead 16

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	50	50	40	35	30	8	8	8		
140	50	50	40	35	30	8	8	8		
280	50	45	32	22	17	6	6	5		
420	50	18	9	6	5	1.5	1	0.5		

Lead 8

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	60	60	50	45	40	18	18	18		
70	60	60	50	45	40	18	18	18		
140	60	60	50	45	40	16	16	12		
210	60	60	40	30	20	8	7	6		
280	60	20	9	6	3	3	2	1		
350	20									

Lead 4

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	80	80	70	65	60	28	28	28		
35	80	80	70	65	60	28	28	28		
70	80	80	70	65	60	28	28	28		
105	80	80	60	50	40	21	20	18		
140	67	47	10	6	6	8	6	6		

<When ambient temperature is 5°C or below>

Lead 16

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	50	50	40	35	30	8	8	8		
140	50	50	40	35	30	8	8	8		
280	50	45	32	22	17	6	6	5		

Lead 8

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	60	60	50	45	40	18	18	18		
70	60	60	50	45	40	18	18	18		
140	60	60	50	45	40	8	8	8		

Lead 4

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	80	80	70	65	60	28	28	28		
35	80	80	70	65	60	28	28	28		
70	80	80	70	65	60	28	28	28		
105	80	80	60	50	40	6	6	6		

■ RCP6W/RCP6SW-RR A8C

<When ambient temperature exceeds 5°C>

Lead 20

Orientation	Horizontal	Orientation	Vertical
Speed (mm/s)	Acceleration (G)	Speed (mm/s)	Acceleration (G)
0	0.2	0	0.2
210	30	210	3
300	30	300	3
350	14	330	1

Lead 10

Orientation	Horizontal	Orientation	Vertical
Speed (mm/s)	Acceleration (G)	Speed (mm/s)	Acceleration (G)
0	0.2	0	0.2
0	60	0	35
130	60	80	35
160	60	90	34
170	40	100	28
180	25	110	23
190	15	120	18
200	12	130	15
		140	12
		150	10
		160	8
		170	6
		180	4
		190	3
		200	2

Lead 5

Orientation	Horizontal	Orientation	Vertical
Speed (mm/s)	Acceleration (G)	Speed (mm/s)	Acceleration (G)
0	0.1	0	0.1
0	100	0	70
60	100	45	70
90	100	60	45
100	75	70	35
		80	25
		90	14
		100	9

<When ambient temperature is 5°C or below>

Lead 20

Orientation	Horizontal	Orientation	Vertical
Speed (mm/s)	Acceleration (G)	Speed (mm/s)	Acceleration (G)
0	0.2	0	0.2
0	30	0	3
210	30	210	3

Lead 10

Orientation	Horizontal	Orientation	Vertical
Speed (mm/s)	Acceleration (G)	Speed (mm/s)	Acceleration (G)
0	0.2	0	0.2
0	60	0	35
130	60	80	35
		90	34
		100	28
		110	23
		120	18
		130	2

Lead 5

Orientation	Horizontal	Orientation	Vertical
Speed (mm/s)	Acceleration (G)	Speed (mm/s)	Acceleration (G)
0	0.1	0	0.1
0	100	0	70
60	100	45	70
		60	9

Foreword
Slider Type
Wide Slider Type
Rod Type
Radial Cylinder
Wide Radial Cylinder
Table Type
Cleanroom Slider
Cleanroom Wide Slider
Dust/Splash-Proof Rod
Dust/Splash-Proof Radial Cylinder
Dust/Splash-Proof Wide Radial Cylinder
Options
Reference Data
Controller

RCP6W Series

Rod Type Side-Mounted Motor Specification

High-output Setting Enabled

■ RCP6W/RCP6SW-RAA7R

<When ambient temperature exceeds 5°C>

Lead 16

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	50	50	40	35	30	8	8	8		
140	50	50	40	35	30	8	8	8		
280	50	45	32	22	17	6	6	5		
420	50	18	9	6	5	1.5	1	0.5		

Lead 8

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	60	60	50	45	40	18	18	18		
70	60	60	50	45	40	18	18	18		
140	60	60	50	45	40	16	16	12		
210	60	60	40	30	20	8	7	6		
280	60	20	9	6	3	3	2	1		
350	20									

Lead 4

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	80	80	70	65	60	28	28	28		
35	80	80	70	65	60	28	28	28		
70	80	80	70	65	60	28	28	28		
105	80	80	60	50	40	21	20	18		
140	67	47	10	6	6	8	6	6		

<When ambient temperature is 5°C or below>

Lead 16

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	50	50	40	35	30	8	8	8		
140	50	50	40	35	30	8	8	8		
280	50	45	32	22	17	6	6	5		

Lead 8

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	60	60	50	45	40	18	18	18		
70	60	60	50	45	40	18	18	18		
140	60	60	50	45	40	8	8	8		

Lead 4

Orientation	Horizontal					Vertical				
Speed (mm/s)	Acceleration (G)									
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5		
0	80	80	70	65	60	28	28	28		
35	80	80	70	65	60	28	28	28		
70	80	80	70	65	60	28	28	28		
105	80	80	60	50	40	6	6	6		

■ RCP6W/RCP6SW-RAA8R

<When ambient temperature exceeds 5°C>

Lead 20

Orientation	Horizontal	Orientation	Vertical
Speed (mm/s)	Acceleration (G)	Speed (mm/s)	Acceleration (G)
0	0.2	0	0.2
210	30	210	3
300	30	300	3
350	14	330	1

Lead 10

Orientation	Horizontal	Orientation	Vertical
Speed (mm/s)	Acceleration (G)	Speed (mm/s)	Acceleration (G)
0	0.2	0	0.2
0	60	0	35
130	60	80	35
160	60	90	34
170	40	100	28
180	25	110	23
190	15	120	18
200	12	130	15
		140	12
		150	10
		160	8
		170	6
		180	4
		190	3
		200	2

Lead 5

Orientation	Horizontal	Orientation	Vertical
Speed (mm/s)	Acceleration (G)	Speed (mm/s)	Acceleration (G)
0	0.1	0	0.1
0	100	0	70
60	100	45	70
90	100	60	45
100	75	70	35
		80	25
		90	14
		100	9

<When ambient temperature is 5°C or below>

Lead 20

Orientation	Horizontal	Orientation	Vertical
Speed (mm/s)	Acceleration (G)	Speed (mm/s)	Acceleration (G)
0	0.2	0	0.2
0	30	0	3
210	30	210	3

Lead 10

Orientation	Horizontal	Orientation	Vertical
Speed (mm/s)	Acceleration (G)	Speed (mm/s)	Acceleration (G)
0	0.2	0	0.2
0	60	0	35
130	60	80	35
		90	34
		100	28
		110	23
		120	18
		130	2

Lead 5

Orientation	Horizontal	Orientation	Vertical
Speed (mm/s)	Acceleration (G)	Speed (mm/s)	Acceleration (G)
0	0.1	0	0.1
0	100	0	70
60	100	45	70
		60	9

Foreword
Slider Type
Wide Slider Type
Rod Type
Radial Cylinder
Wide Radial Cylinder
Table Type
Cleanroom Slider
Cleanroom Wide Slider
Dust/Splash-Proof Rod
Dust/Splash-Proof Radial Cylinder
Dust/Splash-Proof Wide Radial Cylinder
Options
Reference Data
Controller

Tables of Payload by Speed/Acceleration

RCP6W Series

Rod Type Motor Coupling Specification

High-output Setting Enabled

■ RCP6W/RCP6SW-WRA10C

<When ambient temperature exceeds 5°C>

Lead 10

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	11.5	11.5	8.5	8.5	6.5
85	11.5	11.5	8.5	8.5	6.5
175	11.5	11.5	8.5	8.5	3.5
260	11.5	11.5	8.5	6	2.5
350	11.5	11.5	8.5	5	2
435	11.5	8.5	6	3.5	1.5
525	10.5	4			

Lead 5

Orientation	Horizontal					Vertical		
Speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	28	25	22	20	20	4	4	4
40	28	25	22	20	20	4	4	4
85	28	25	22	20	20	4	4	4
130	28	25	22	20	20	4	4	4
175	28	25	22	20	18	3	3	3
215	28	25	22	18	13.5	2	2	2
260	28	25	20.5	15.5	11			
305	28	17.5	12.5	10	7.5			
350	28	9.5	5.5	3.5				

Lead 2.5

Orientation	Horizontal					Vertical		
Speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	40	40	40	35	30	10	10	10
20	40	40	40	35	30	10	10	10
40	40	40	40	35	30	10	10	10
65	40	40	40	35	30	10	10	10
85	40	40	40	35	30	10	10	10
105	40	35	35	35	30	10	10	10
130	40	35	35	30	30	3.5	3.5	3.5
150	40	35	35	28	24	1.5	1.5	1.5
175	40	28	26	18	11			

<When ambient temperature is 5°C or below>

Lead 10

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	11.5	11.5	8.5	8.5	6.5
85	11.5	11.5	8.5	8.5	6.5
175	11.5	11.5	8.5	8.5	3.5
260	11.5	11.5	8.5	6	2.5
350	11.5	11.5	8.5	5	2

Lead 5

Orientation	Horizontal					Vertical		
Speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	28	25	22	20	20	4	4	4
40	28	25	22	20	20	4	4	4
85	28	25	22	20	20	4	4	4
130	28	25	22	20	20	4	4	4
175	28	25	22	20	18	3	3	3
215	28	25	22	18	13.5	2	2	2

Lead 2.5

Orientation	Horizontal					Vertical		
Speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	40	40	40	35	30	10	10	10
20	40	40	40	35	30	10	10	10
40	40	40	40	35	30	10	10	10
65	40	40	40	35	30	10	10	10

■ RCP6W/RCP6SW-WRA12C

<When ambient temperature exceeds 5°C>

Lead 12

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	30	25	18	16	10
80	30	25	18	16	10
200	30	25	15	13	9
320	30	25	15	9	6
440	25	20	12	8	4.5
560		7.5	3.5	1	

Lead 6

Orientation	Horizontal					Vertical		
Speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	55	40	35	30	25	4	4	4
40	55	40	35	30	25	4	4	4
100	55	40	35	30	25	4	4	4
160	55	40	32.5	25	25	4	4	4
220	55	40	27.5	22	16	4	4	3
280	55	35	25	18	11			
340	55	23	14	12	8			
400	38	7	2	1	1			

Lead 3

Orientation	Horizontal					Vertical		
Speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	70	60	50	45	40	14	14	14
20	70	60	50	45	40	14	14	14
50	70	60	50	45	40	14	14	14
80	70	60	50	45	40	14	14	14
110	70	60	50	45	40	14	14	14
140	70	50	40	30	25	10	10	5
170	70	40	35	25	20			
200	70	26	26	20	14			
225	50	7	4	3	3			

<When ambient temperature is 5°C or below>

Lead 12

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	30	25	18	16	10
80	30	25	18	16	10
200	30	25	15	13	9
320	30	25	15	9	6

Lead 6

Orientation	Horizontal					Vertical		
Speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	55	40	35	30	25	4	4	4
40	55	40	35	30	25	4	4	4
100	55	40	35	30	25	4	4	4
160	55	40	32.5	25	25	4	4	4
220	55	40	27.5	22	16	4	4	3

Lead 3

Orientation	Horizontal					Vertical		
Speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	70	60	50	45	40	14	14	14
20	70	60	50	45	40	14	14	14
50	70	60	50	45	40	14	14	14
80	70	60	50	45	40	14	14	14

RCP6W Series

Rod Type Motor Coupling Specification

High-output Setting Enabled

■ RCP6W/RCP6SW-WRA14C

<When ambient temperature exceeds 5°C>

Lead 16

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	50	50	40	35	30
140	50	50	40	35	30
280	50	32	25	17	12
420	23	7	2		

Lead 8

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
	0	65	65	55	50	45	11.5	11.5
70	65	65	55	50	45	11.5	11.5	11.5
140	65	65	51	41	41	9.5	9.5	6.5
210	65	56	28	20	15	1.5	1.5	
280	51	14	1					

Lead 4

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
	0	85	80	70	65	60	21.5	19.5
35	85	80	70	65	60	21.5	19.5	19.5
70	85	80	70	65	60	21.5	19.5	19.5
105	85	80	51	46	40	15.5	13.5	12
130	85	41	10	6	2	3.5		

<When ambient temperature is 5°C or below>

Lead 16

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	50	50	40	35	30
140	50	50	40	35	30
280	50	32	25	17	12

Lead 8

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
	0	65	65	55	50	45	11.5	11.5
70	65	65	55	50	45	11.5	11.5	11.5
140	65	65	51	41	41	9.5	9.5	6.5

Lead 4

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
	0	85	80	70	65	60	21.5	19.5
35	85	80	70	65	60	21.5	19.5	19.5
70	85	80	70	65	60	21.5	19.5	19.5

■ RCP6W/RCP6SW-WRA16C

<When ambient temperature exceeds 5°C>

Lead 20

Orientation	Horizontal
Speed (mm/s)	Acceleration (G)
0	30
240	30
300	30
360	12

Lead 10

Orientation	Horizontal	Orientation	Vertical
	Acceleration (G)		Acceleration (G)
Speed (mm/s)	0.2	Speed (mm/s)	0.2
0	60	0	30.5
150	60	88	30.5
200	23	100	20.5
220	2	110	15.5
		120	12.5
		130	10.5
		140	7.5
		150	3.5
		160	1.5

Lead 5

Orientation	Horizontal	Orientation	Vertical
	Acceleration (G)		Acceleration (G)
Speed (mm/s)	0.1	Speed (mm/s)	0.1
0	100	0	59
100	100	48	59
110	45	60	29
		70	24
		80	14
		90	5

<When ambient temperature is 5°C or below>

Lead 20

Orientation	Horizontal
Speed (mm/s)	Acceleration (G)
0	30
240	30

Lead 10

Orientation	Horizontal	Orientation	Vertical
	Acceleration (G)		Acceleration (G)
Speed (mm/s)	0.2	Speed (mm/s)	0.2
0	60	0	30.5
120	60	88	30.5
		100	20.5
		110	15.5
		120	12.5

Lead 5

Orientation	Horizontal	Orientation	Vertical
	Acceleration (G)		Acceleration (G)
Speed (mm/s)	0.1	Speed (mm/s)	0.1
0	100	0	59
80	100	48	59
		60	29
		70	24
		80	14

Foreword
Slider Type
Wide Slider Type
Rod Type
Radial Cylinder
Wide Radial Cylinder
Table Type
Cleanroom Slider
Cleanroom Wide Slider
Dust/Splash-Proof Rod
Dust/Splash-Proof Radial Cylinder
Dust/Splash-Proof Wide Radial Cylinder
Options
Reference Data
Controller

Tables of Payload by Speed/Acceleration

RCP6W Series

Rod Type Side-Mounted Motor Specification

High-output Setting Enabled

■ RCP6W/RCP6SW-WRA10R

<When ambient temperature exceeds 5°C>

Lead 10

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	11.5	11.5	8.5	8.5	6.5
85	11.5	11.5	8.5	8.5	6.5
175	11.5	11.5	8.5	8.5	3.5
260	11.5	11.5	8.5	6	2.5
350	11.5	11.5	8.5	5	2
435	11.5	8.5	6	3.5	1.5
525	10.5	4			

Lead 5

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
	0	28	25	22	20	20	4	4
40	28	25	22	20	20	4	4	4
85	28	25	22	20	20	4	4	4
130	28	25	22	20	20	4	4	4
175	28	25	22	20	18	3	3	3
215	28	25	22	18	13.5	2	2	2
260	28	25	20.5	15.5	11			
305	28	17.5	12.5	10	7.5			
350	28	9.5	5.5	3.5				

Lead 2.5

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
	0	40	40	40	35	30	10	10
20	40	40	40	35	30	10	10	10
40	40	40	40	35	30	10	10	10
65	40	40	40	35	30	10	10	10
85	40	40	40	35	30	10	10	10
105	40	35	35	35	30	10	10	10
130	40	35	35	30	30	3.5	3.5	3.5
150	40	35	35	28	24	1.5	1.5	1.5
175	40	28	26	18	11			

<When ambient temperature is 5°C or below>

Lead 10

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	11.5	11.5	8.5	8.5	6.5
85	11.5	11.5	8.5	8.5	6.5
175	11.5	11.5	8.5	8.5	3.5
260	11.5	11.5	8.5	6	2.5
350	11.5	11.5	8.5	5	2

Lead 5

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
	0	28	25	22	20	20	4	4
40	28	25	22	20	20	4	4	4
85	28	25	22	20	20	4	4	4
130	28	25	22	20	20	4	4	4
175	28	25	22	20	18	3	3	3
215	28	25	22	18	13.5	2	2	2

Lead 2.5

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
	0	40	40	40	35	30	10	10
20	40	40	40	35	30	10	10	10
40	40	40	40	35	30	10	10	10
65	40	40	40	35	30	10	10	10

■ RCP6W/RCP6SW-WRA12R

<When ambient temperature exceeds 5°C>

Lead 12

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	30	25	18	16	10
80	30	25	18	16	10
200	30	25	15	13	9
320	30	25	15	9	6
440	25	20	12	8	4.5
560		7.5	3.5	1	

Lead 6

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
	0	55	40	35	30	25	4	4
40	55	40	35	30	25	4	4	4
100	55	40	35	30	25	4	4	4
160	55	40	32.5	25	25	4	4	4
220	55	40	27.5	22	16	4	4	3
280	55	35	25	18	11			
340	55	23	14	12	8			
400	38	7	2	1	1			

Lead 3

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
	0	70	60	50	45	40	14	14
20	70	60	50	45	40	14	14	14
50	70	60	50	45	40	14	14	14
80	70	60	50	45	40	14	14	14
110	70	60	50	45	40	14	14	14
140	70	50	40	30	25	10	10	5
170	70	40	35	25	20			
200	70	26	26	20	14			
225	50	7	4	3	3			

<When ambient temperature is 5°C or below>

Lead 12

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	30	25	18	16	10
80	30	25	18	16	10
200	30	25	15	13	9
320	30	25	15	9	6

Lead 6

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
	0	55	40	35	30	25	4	4
40	55	40	35	30	25	4	4	4
100	55	40	35	30	25	4	4	4
160	55	40	32.5	25	25	4	4	4
220	55	40	27.5	22	16	4	4	3

Lead 3

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
	0	70	60	50	45	40	14	14
20	70	60	50	45	40	14	14	14
50	70	60	50	45	40	14	14	14
80	70	60	50	45	40	14	14	14

RCP6W Series

Rod Type Side-Mounted Motor Specification

High-output Setting Enabled

■ RCP6W/RCP6SW-WRA14R

<When ambient temperature exceeds 5°C>

Lead 16

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	50	50	40	35	30
140	50	50	40	35	30
280	50	32	25	17	12
420	23	7	2		

Lead 8

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
	0	65	65	55	50	45	11.5	11.5
70	65	65	55	50	45	11.5	11.5	11.5
140	65	65	51	41	41	9.5	9.5	6.5
210	65	56	28	20	15	1.5	1.5	
280	51	14	1					

Lead 4

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
	0	85	80	70	65	60	21.5	19.5
35	85	80	70	65	60	21.5	19.5	19.5
70	85	80	70	65	60	21.5	19.5	19.5
105	85	80	51	46	40	15.5	13.5	12
130	85	41	10	6	2	3.5		

<When ambient temperature is 5°C or below>

Lead 16

Orientation	Horizontal				
Speed (mm/s)	Acceleration (G)				
	0.1	0.3	0.5	0.7	1
0	50	50	40	35	30
140	50	50	40	35	30
280	50	32	25	17	12

Lead 8

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
	0	65	65	55	50	45	11.5	11.5
70	65	65	55	50	45	11.5	11.5	11.5
140	65	65	51	41	41	9.5	9.5	6.5

Lead 4

Orientation	Horizontal					Vertical		
	Acceleration (G)							
Speed (mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
	0	85	80	70	65	60	21.5	19.5
35	85	80	70	65	60	21.5	19.5	19.5
70	85	80	70	65	60	21.5	19.5	19.5

■ RCP6W/RCP6SW-WRA16R

<When ambient temperature exceeds 5°C>

Lead 20

Orientation	Horizontal
Speed (mm/s)	Acceleration (G)
0	30
240	30
300	30
360	12

Lead 10

Orientation	Horizontal		Orientation	Vertical	
	Acceleration (G)			Acceleration (G)	
Speed (mm/s)	0.2		Speed (mm/s)	0.2	
	0	60		0	30.5
150	60	88	30.5		
200	23	100	20.5		
220	2	110	15.5		
		120	12.5		
		130	10.5		
		140	7.5		
		150	3.5		
		160	1.5		

Lead 5

Orientation	Horizontal		Orientation	Vertical	
	Acceleration (G)			Acceleration (G)	
Speed (mm/s)	0.1		Speed (mm/s)	0.1	
	0	100		0	59
100	100	48	59		
110	45	60	29		
		70	24		
		80	14		
		90	5		

<When ambient temperature is 5°C or below>

Lead 20

Orientation	Horizontal
Speed (mm/s)	Acceleration (G)
0	30
240	30

Lead 10

Orientation	Horizontal		Orientation	Vertical	
	Acceleration (G)			Acceleration (G)	
Speed (mm/s)	0.2		Speed (mm/s)	0.2	
	0	60		0	30.5
120	60	88	30.5		
		100	20.5		
		110	15.5		
		120	12.5		

Lead 5

Orientation	Horizontal		Orientation	Vertical	
	Acceleration (G)			Acceleration (G)	
Speed (mm/s)	0.1		Speed (mm/s)	0.1	
	0	100		0	59
80	100	48	59		
		60	29		
		70	24		
		80	14		

Foreword

Slider Type

Wide Slider Type

Rod Type

Radial Cylinder

Wide Radial Cylinder

Table Type

Cleanroom Slider

Cleanroom Wide Slider

Dust/Splash-Proof Rod

Dust/Splash-Proof Radial Cylinder

Dust/Splash-Proof Wide Radial Cylinder

Options

Reference Data

Controller