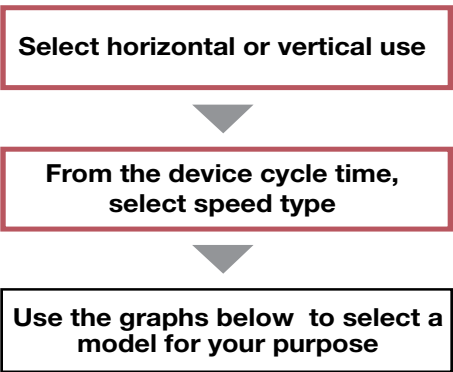


# Selection Standard (Speed vs. Load Capacity Graph)

ERC2 Series Slider Type



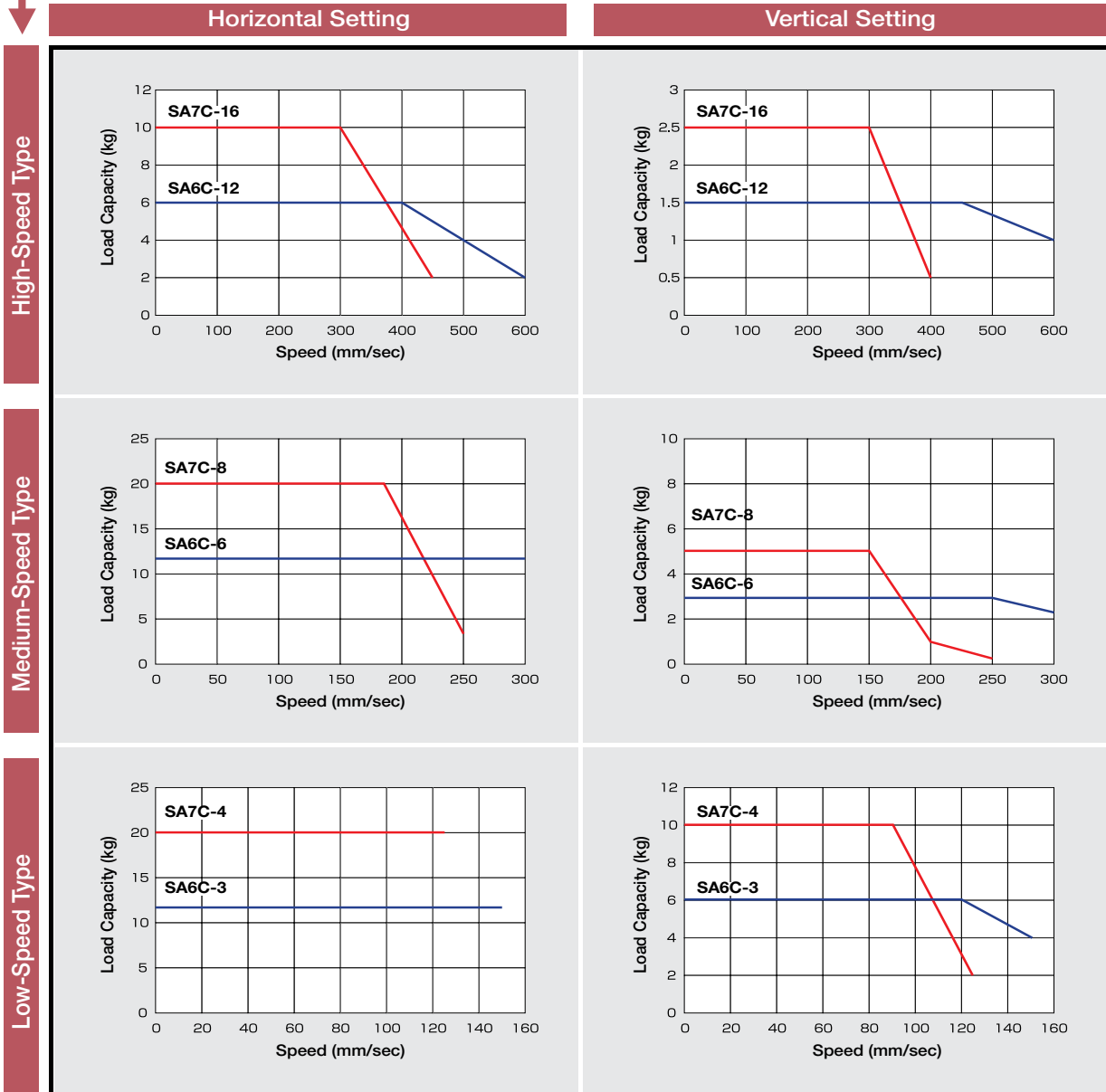
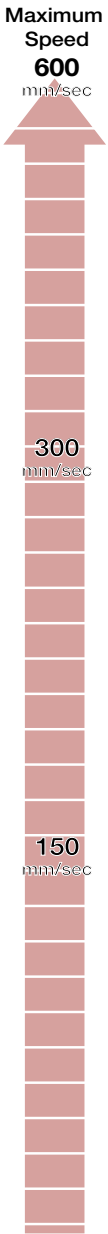
**Cautionary Notes**

- When using a slider type, if the overhang from the center of the object mounted on the slider is large, please consider the moment load and the overhang load length.

**Moment Load**  
Please ensure the moment loads are within the specified range for Ma, Mb, and Mc.

**Overhang Load Length**  
The value when the mounted object's center of gravity is L/2. If the mounted object overhangs in the direction of Ma, Mb, or Mc, make sure that the length is within range.

- The maximum speed for the SA6 type's 600 strokes is limited by the relation to the critical number of rotations.  
600 stroke (Lead 12:515mm/sec, Lead 6:255mm/sec, Lead 3:125mm/sec)



Note: In the graph above, the number after the type is the lead number.

## ERC2 Series

## Rod type standard model

Select horizontal or vertical use

From the device cycle time,  
select speed type

Use the graphs below to select a  
model for your purpose



### Cautionary Notes

- Absolutely no external force is considered for the rod type, other than that coming from the direction of the rod's advance. Please use a high-rigidity model or add a guide if an external force is applied at a right angle to the rod and in the direction of the rotation.
- The graphs below for the horizontal setting show the values when an external guide is used.
- The maximum speed for the SA6 type's 300 strokes is limited by the relation to the critical number of rotations.  
300 stroke (Lead 12:500mm/sec, Lead 6:250mm/sec, Lead 3:125mm/sec)

Maximum Speed  
600  
mm/sec

300  
mm/sec

150  
mm/sec

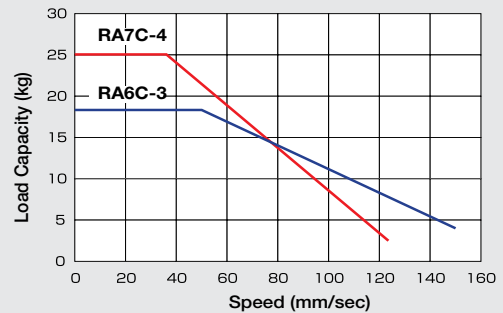
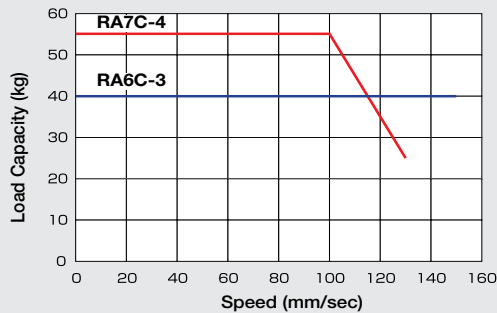
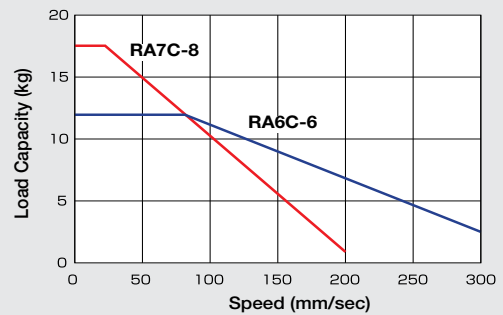
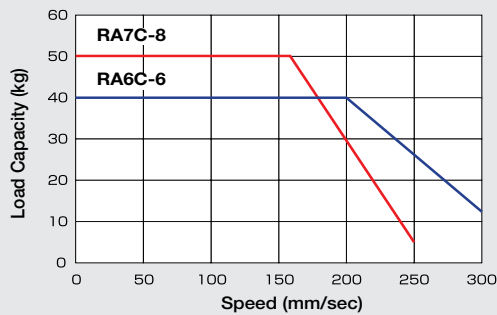
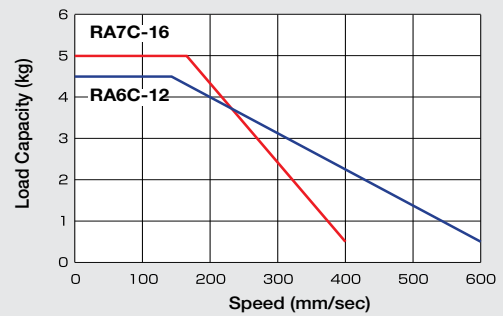
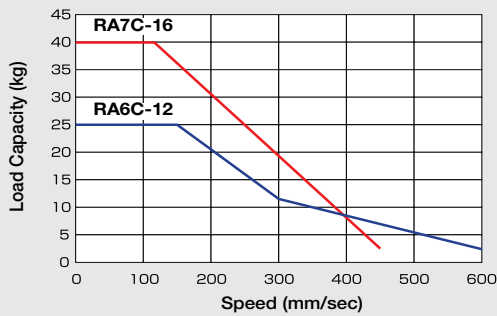
High-Speed Type

Medium-Speed Type

Low-Speed Type

### Horizontal Setting

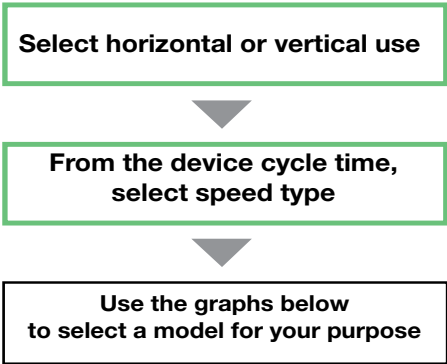
### Vertical Setting



Note: In the graph above, the number after the type is the lead number.

# Selection Standard (Speed vs. Load Capacity Graph)

**RCP3 Series**      **Slider Type**



**Cautionary Notes**

When using a slider type, if the overhang from the center of the object mounted on the slider is large, please consider the moment load and the overhang load length.

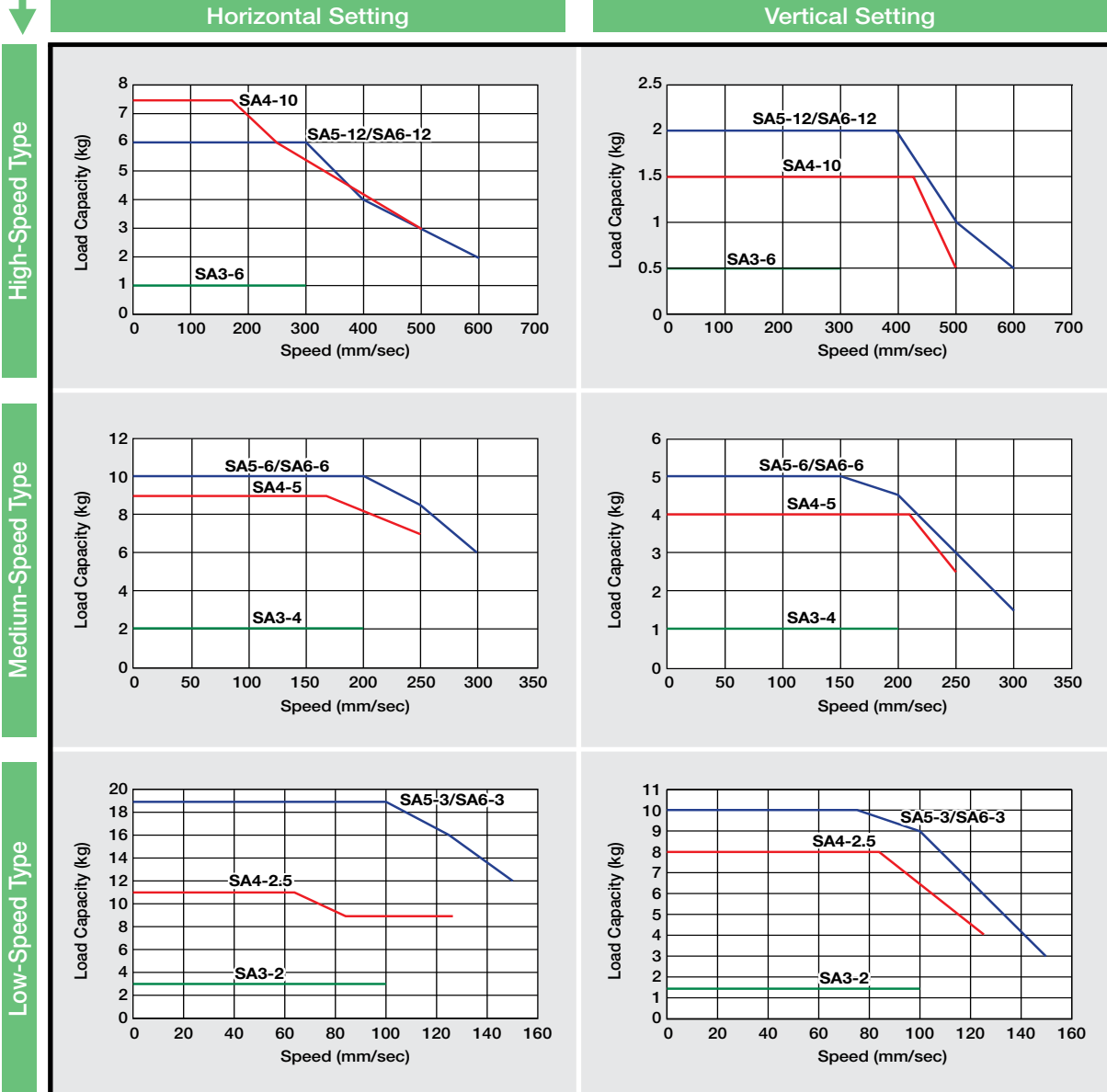
**Moment load**  
Please ensure the moment loads are within the specified range for Ma, Mb, and Mc.

**Overhang Load Length**  
The value when the mounted object's center of gravity is L/2. If the mounted object overhangs in the direction of Ma, Mb, or Mc, make sure that the length is within range.

Maximum Speed  
**600**  
mm/sec

300  
mm/sec

150  
mm/sec



Note: In the graph above, the number after the type is the lead number.

# Table of Load Capacity per Speed/Acceleration

For RCP3-SA4C/SA5C/SA6C, the acceleration can be increased up to 0.7G. However, please note that load capacity decreases as the speed and acceleration increase, as shown below.

## [ RCP3-SA4C ]

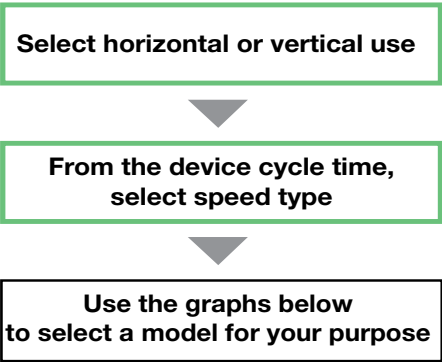
	Speed (mm/s)	Horizontal Operation				Vertical Operation		
		Acceleration				Acceleration		
		0.2G	0.3G	0.5G	0.7G	0.1G	0.2G	0.3G
<b>High-Speed Type (Lead 10)</b>	0							
	83	9	7.5	6.5	5.5	1.5	1.5	1.5
	167							
	250	7	6	5	4			
	333	6	5	4	3			
	417	5	4	3	2			
500	4	3	2	1	1	0.5	0.5	
<b>Medium-Speed Type (Lead 5)</b>	0							
	42	10	9	8	7	4	4	4
	83							
	125							
	167							
	208							
250	9	8	7	6	3	2.5	2	
<b>Low-Speed Type (Lead 2.5)</b>	0							
	21	11	10	9	8	8	8	8
	42							
	63							
	83							
	104							
125	9	8	7	6	5	4	4	

## [ RCP3-SA5C/SA6C ]

	Speed (mm/s)	Horizontal Operation				Vertical Operation		
		Acceleration				Acceleration		
		0.2G	0.3G	0.5G	0.7G	0.1G	0.2G	0.3G
<b>High-Speed Type (Lead 12)</b>	0							
	100	8	6	4	3	2	2	2
	200							
	300							
	400							
	500							
600	4	3	2	1.5	1	1	1	
<b>Medium-Speed Type (Lead 6)</b>	0							
	50	12	10	8	6	5	5	5
	100							
	150							
	200							
	250							
300	10	8.5	6	4.5	3.5	3	2	
<b>Low-Speed Type (Lead 3)</b>	0							
	25	19	14	9	7	10	10	10
	50							
	75							
	100							
	125							
150	16	11	7	5	7	6	5	
	12	8	5	3	4	3	2	

# Selection Standard (Speed vs. Load Capacity Graph)

RCP3 Series Table Type

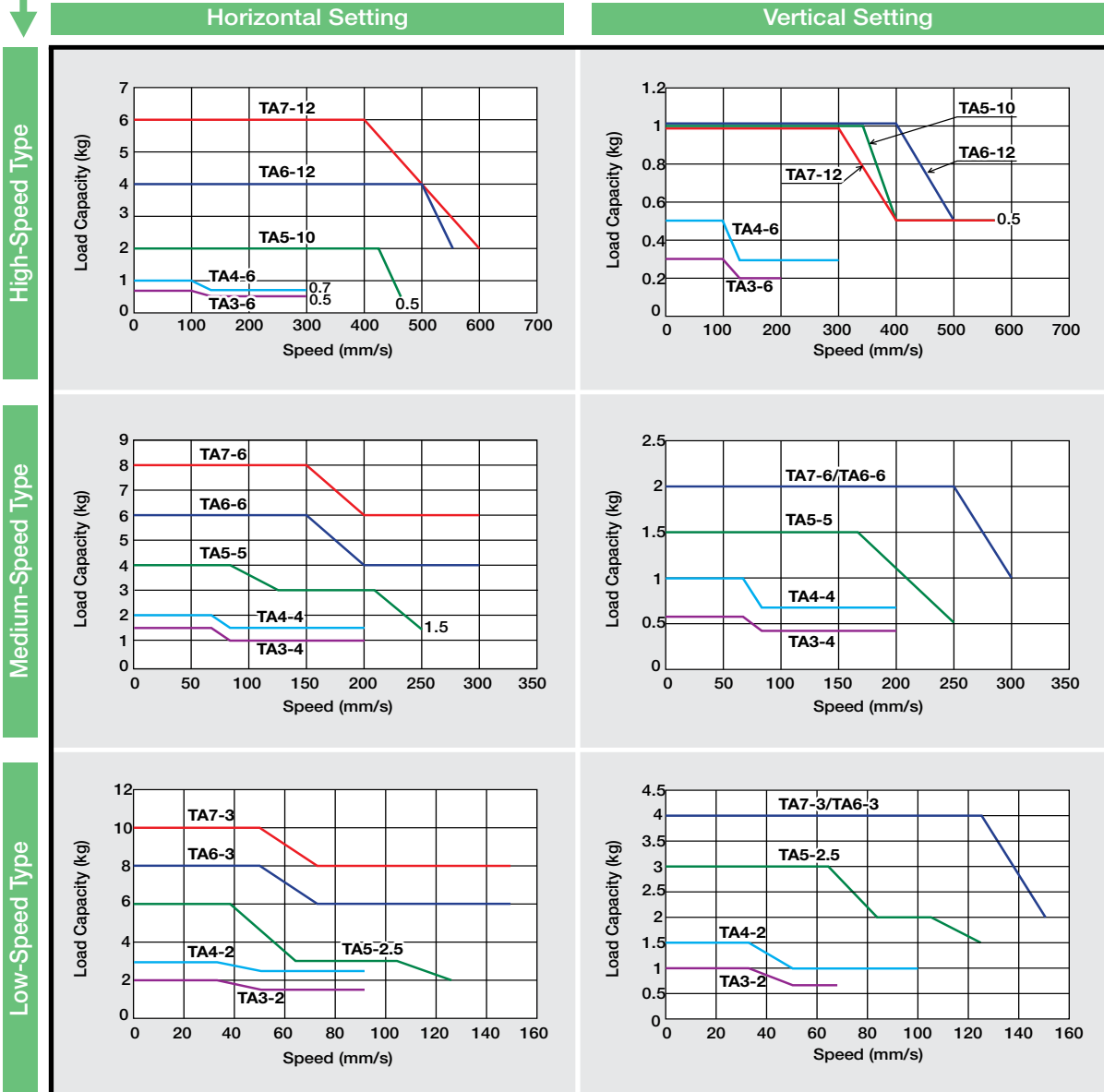


**Cautionary Notes**

When using a slider type, if the overhang from the center of the object mounted on the slider is large, please consider the moment load and the overhang load length.

**Moment load**  
Please ensure the moment loads are within the specified range for Ma, Mb, and Mc.

**Overhang Load Length**  
The value when the mounted object's center of gravity is L/2. If the mounted object overhangs in the direction of Ma, Mb, or Mc, make sure that the length is within range.



Note: In the graph above, the number after the type is the lead number.

RCP2 Series

Slider type (Motor straight type)

Select horizontal or vertical use

From the device cycle time, select speed type

Use the graphs below to select a model for your purpose

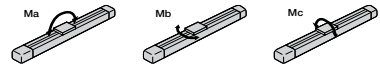


Cautionary Notes

When using a slider type, if the overhang from the center of the object mounted on the slider is large, please consider the moment load and the overhang load length.

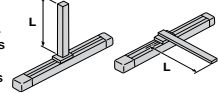
Moment load

Please ensure the moment loads are within the specified range for Ma, Mb, and Mc.



Overhang Load Length

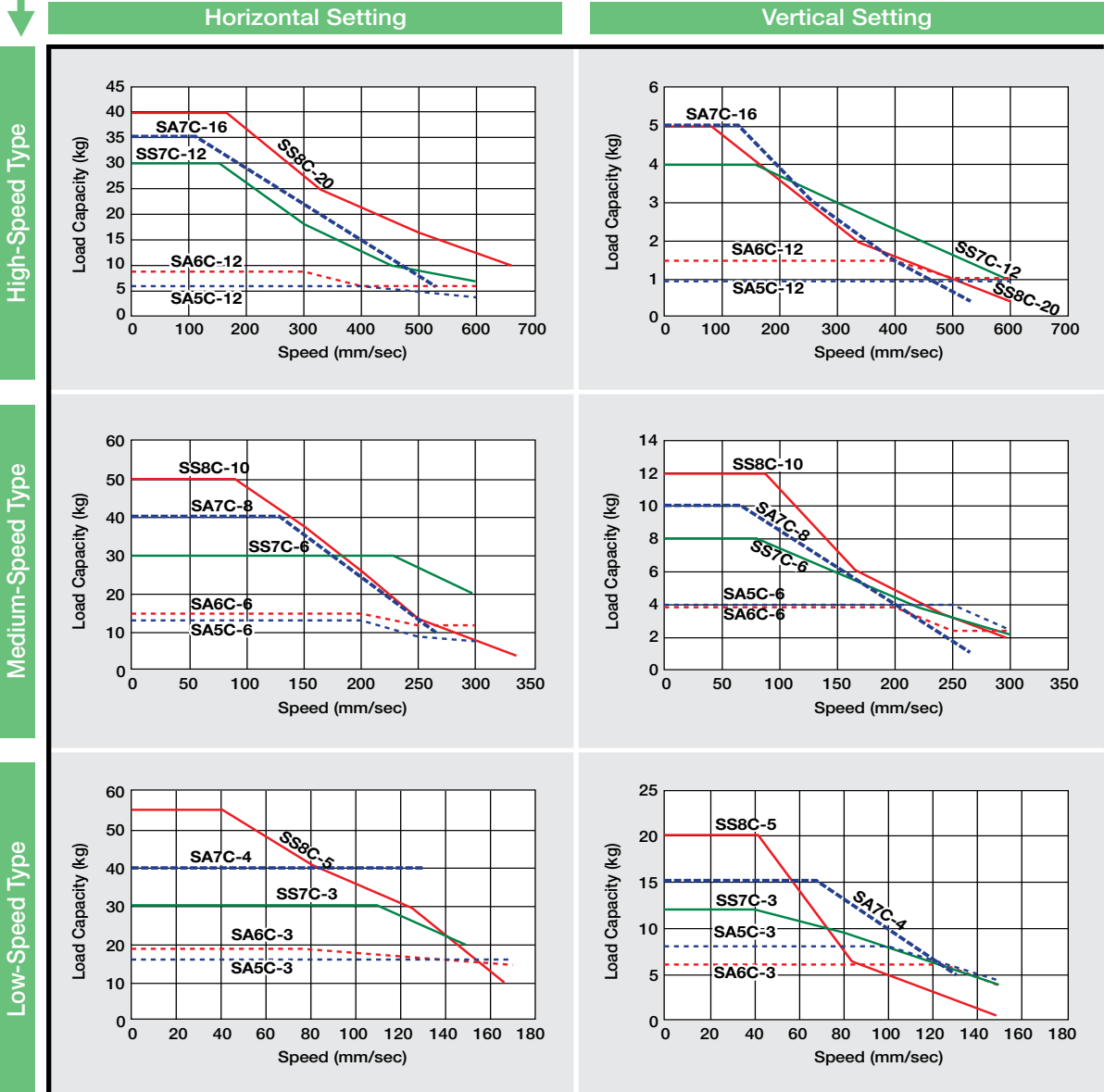
The value when the mounted object's center of gravity is L/2. If the mounted object overhangs in the direction of Ma, Mb, or Mc, make sure that the length is within range.



Maximum Speed  
600 mm/sec

300 mm/sec

150 mm/sec



Note: In the graph above, the number after the type is the lead number.

# Table of Load Capacity per Speed/Acceleration

For RCP2-SA5C/SA6C, the acceleration can be increased up to 0.7G. However, please note that load capacity decreases as the speed and acceleration increase, as shown below.

## [ RCP2-SA5C ]

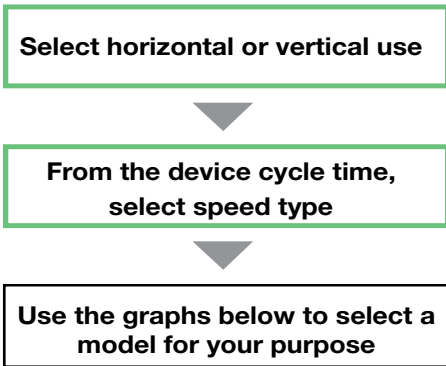
	Speed (mm/s)	Horizontal Operation				Vertical Operation						
		Acceleration				Acceleration						
		0.2G	0.3G	0.5G	0.7G	0.1G	0.2G	0.3G				
<b>High-Speed Type (Lead 12)</b>	0	8	6	5.5	5	1	1	1				
	100											
	200											
	300			4	3.5							
	400			7	5				2	1.5		
	500			4	4				2	0.5		
600												
<b>Medium-Speed Type (Lead 6)</b>	0	13	13	13	12	4	4	4				
	50											
	100											
	150			9	8				7			
	200			8	5				4	3		
	250			2.5	2.5				1.5			
300												
<b>Low-Speed Type (Lead 3)</b>	0	16	16	16	16	8	8	8				
	25											
	50											
	75								14			
	100			14	12							
	125			13	11				10			
	150			10	9				8	6	5.5	5
				5	4.5				1.5			

## [ RCP2-SA6C ]

	Speed (mm/s)	Horizontal Operation				Vertical Operation						
		Acceleration				Acceleration						
		0.2G	0.3G	0.5G	0.7G	0.1G	0.2G	0.3G				
<b>High-Speed Type (Lead 12)</b>	0	8.5	8.5	7	6	1.5	1.5	1.5				
	100											
	200											
	300			4	3							
	400			6	6				3	2		
	500			2	1				1	1	0.5	
600												
<b>Medium-Speed Type (Lead 6)</b>	0	16	15	12	10	4	4	4				
	50											
	100											
	150			3	3				3			
	200			15	12				8	6	2.5	2.5
	250			13	12				4	3	2.5	2.5
300							1					
<b>Low-Speed Type (Lead 3)</b>	0	19	19	19	19	6	6	6				
	25											
	50											
	75											
	100								17	15	12	11
	125								16	14	11	10
	150								15	13	10	9

RCP2 Series

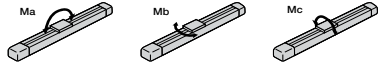
Slider type (Side-mounted motor type)



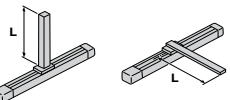
**Cautionary Notes**

When using a slider type, if the overhang from the center of the object mounted on the slider is large, please consider the moment load and the overhang load length.

**Moment load**  
Please ensure the moment loads are within the specified range for Ma, Mb, and Mc.



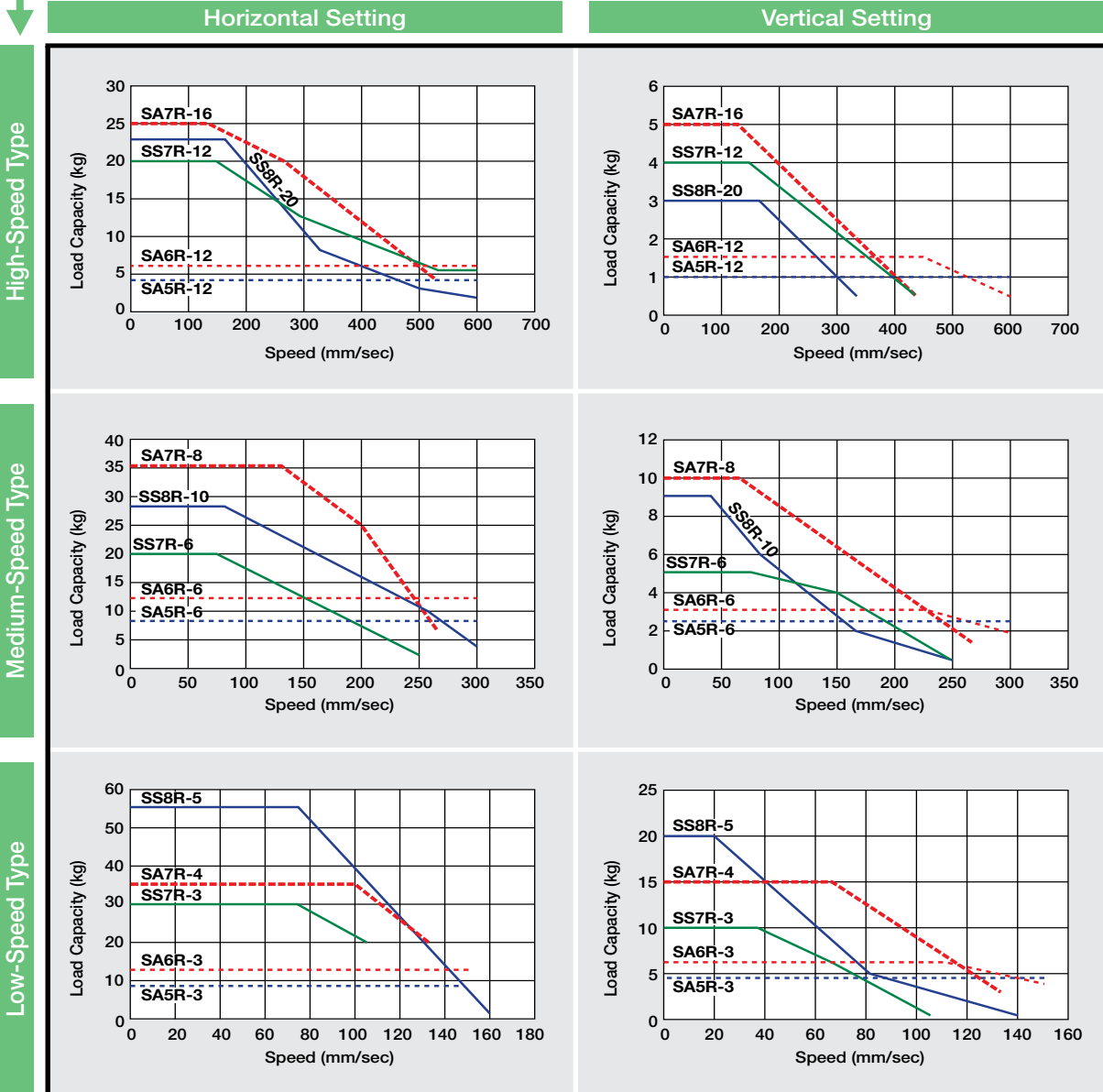
**Overhang Load Length**  
The value when the mounted object's center of gravity is L/2. If the mounted object overhangs in the direction of Ma, Mb, or Mc, make sure that the length is within range.



Maximum Speed  
600 mm/sec

300 mm/sec

150 mm/sec



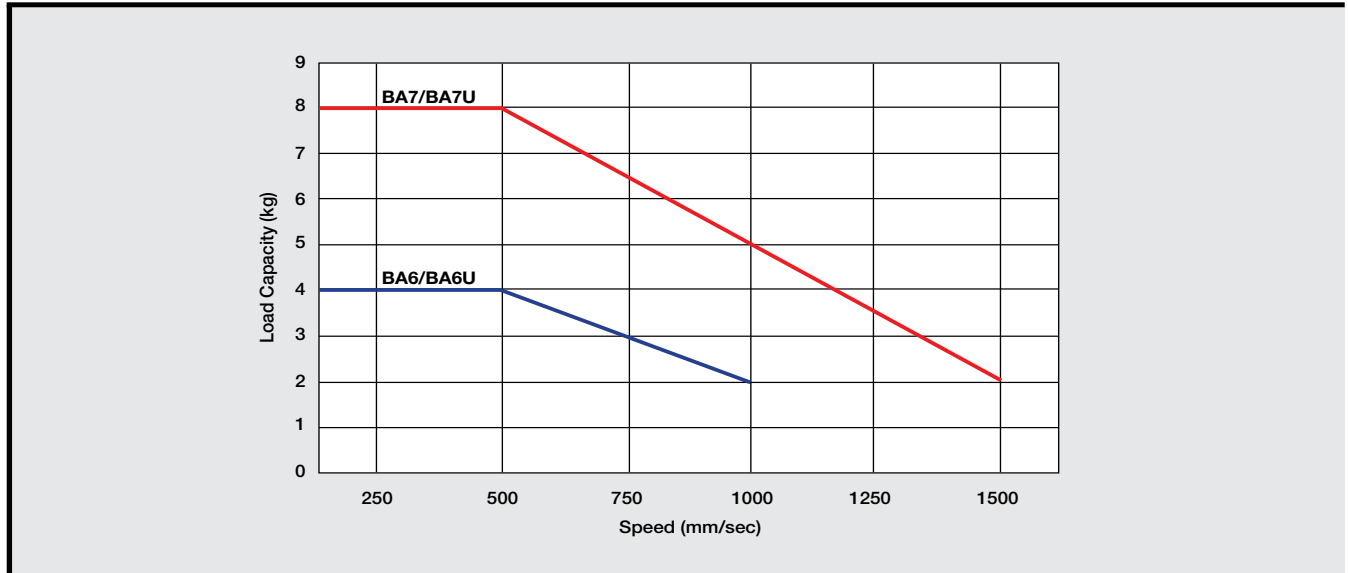
Note: In the graph above, the number after the type is the lead number.

# Selection Standard (Speed vs. Load Capacity Graph)

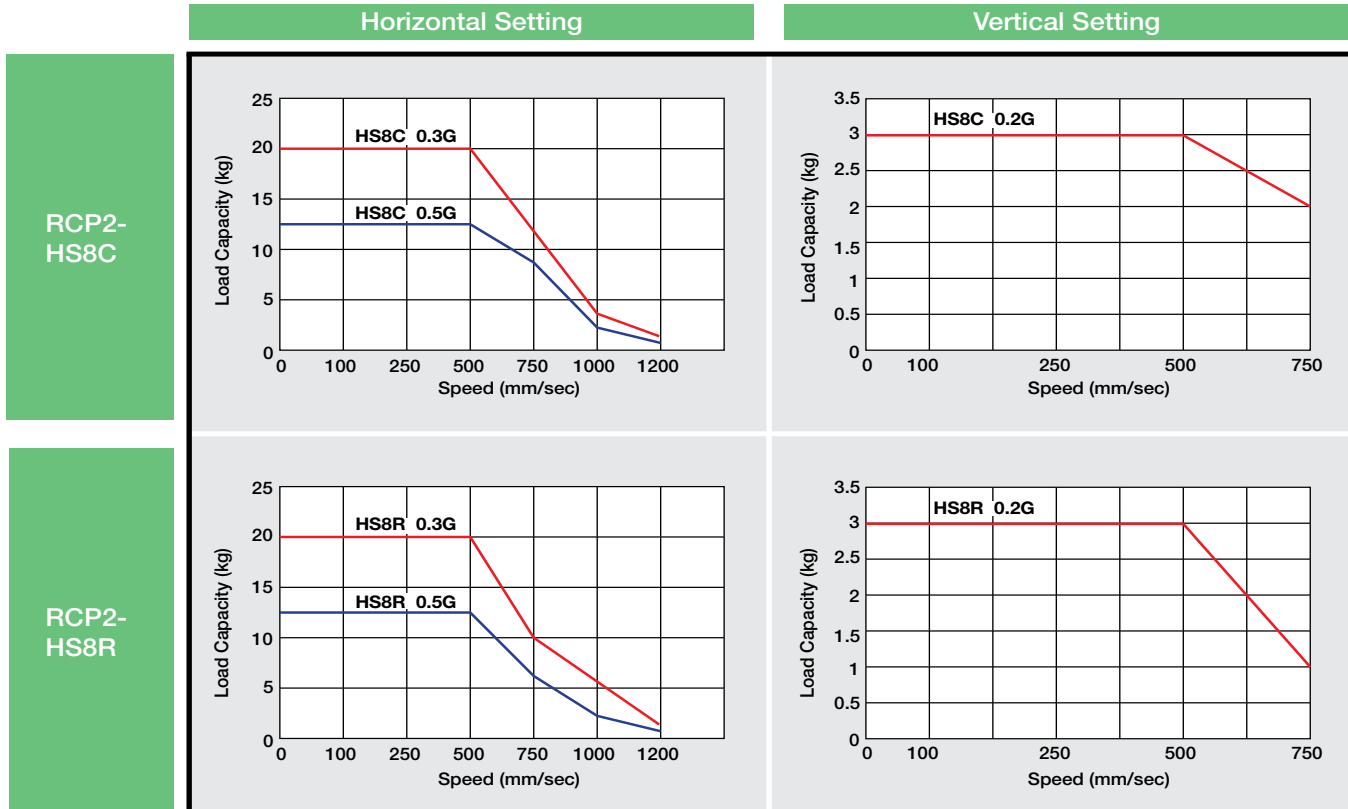
**RCP2 Series**      **Slider belt type**

Use the graphs below to select the model for your purpose.

**Horizontal Setting**



**RCP2 Series**      **Slider high-speed ball-screw type**



RCP2 Series

Rod standard type

Select horizontal or vertical use

From the device cycle time, select speed type

Use the graphs below to select a model for your purpose



Cautionary Notes

- Absolutely no external force is considered for the rod type, other than that coming from the direction of the rod's advance. Please use a high-rigidity model or add a guide if an external force is applied at a right angle to the rod and in the direction of the rotation.

Maximum Speed  
500  
mm/sec

250  
mm/sec

125  
mm/sec

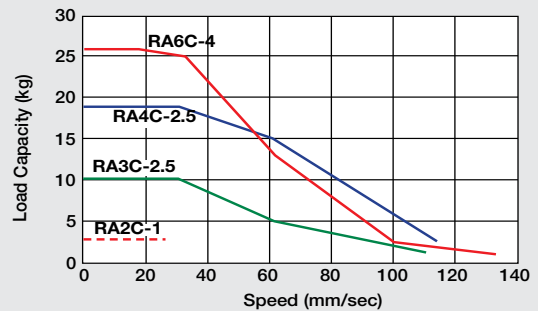
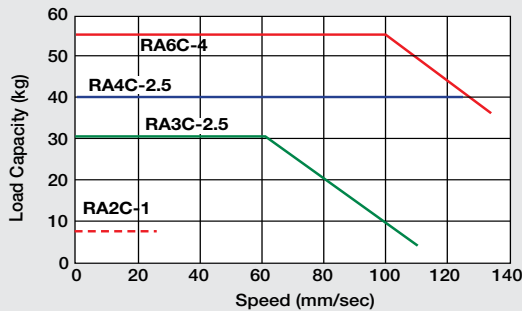
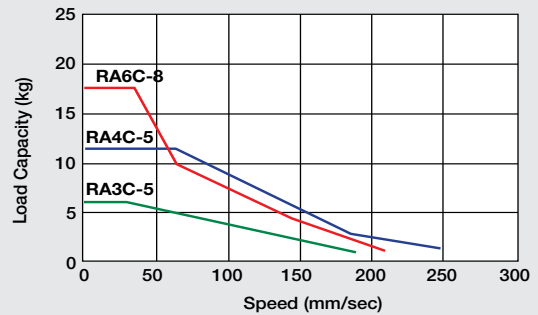
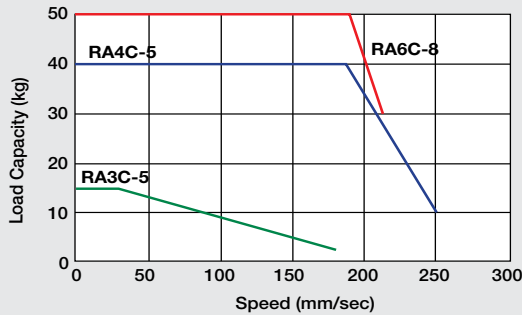
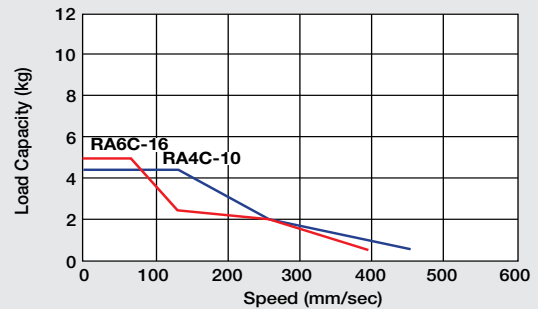
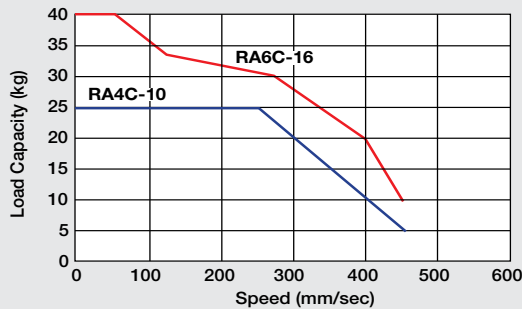
High-Speed Type

Medium-Speed Type

Low-Speed Type

Horizontal Setting (Note 1)

Vertical Setting



Note: In the graph above, the number after the type is the lead number.  
Note 1: This is the number in the case of horizontal specification, when an external guide is attached.

# Selection Standard (Speed vs. Load Capacity Graph)

**RCP2 Series**      **Single guide type**

Select horizontal or vertical use

From the device time cycle, select speed type

Use the graphs below to select the model for your purpose.

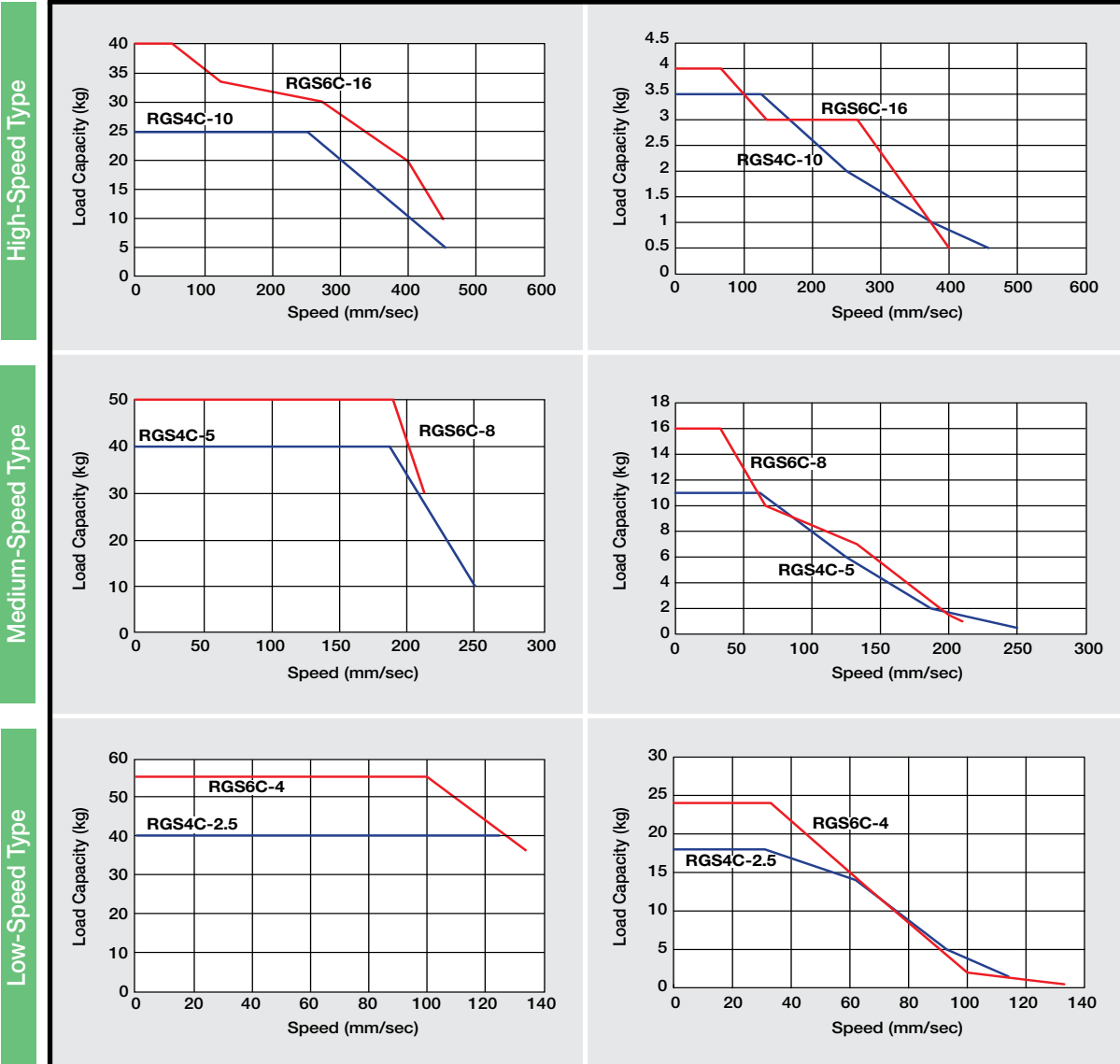
**Cautionary Notes**

- The graphs below for the horizontal setting show the values when an external guide is used.



**Horizontal Setting (Note 1)**

**Vertical Setting**



Note: In the graph above, the number after the type is the lead number.  
 Note 1: This is the number in the case of horizontal specification, when an external guide is attached.

## RCP2 Series

## Double guide type

Select horizontal or vertical use

From the device time cycle, select speed type

Use the graphs below to select the model for your purpose.



### Cautionary Notes

- The graphs below for the horizontal setting show the values when an external guide is used.

Maximum Speed  
500  
mm/sec

250  
mm/sec

125  
mm/sec

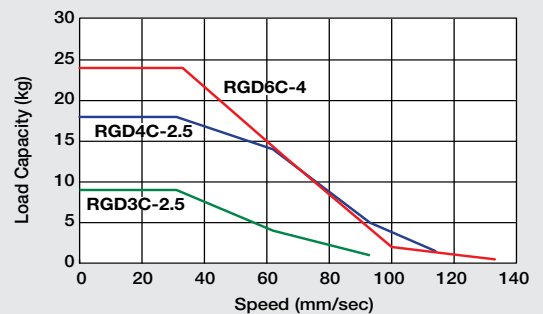
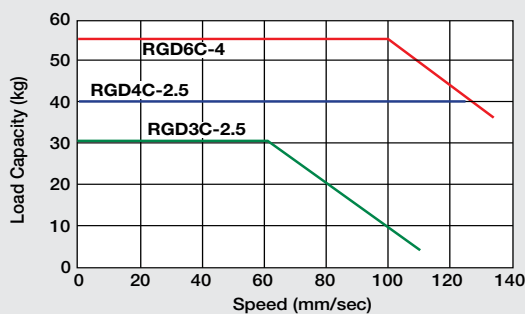
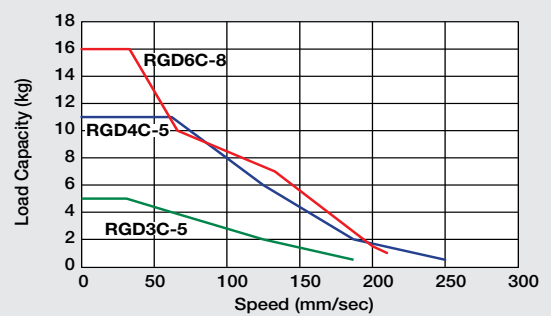
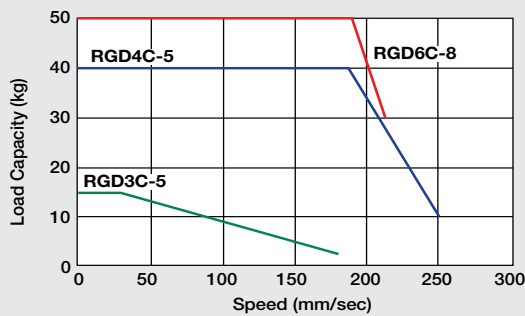
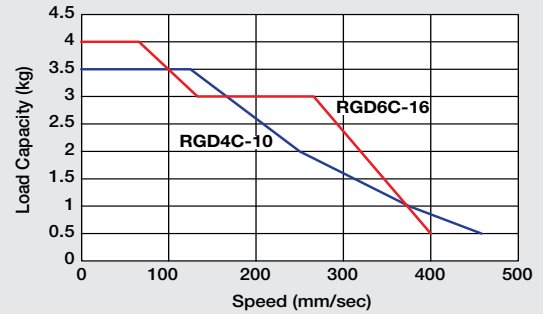
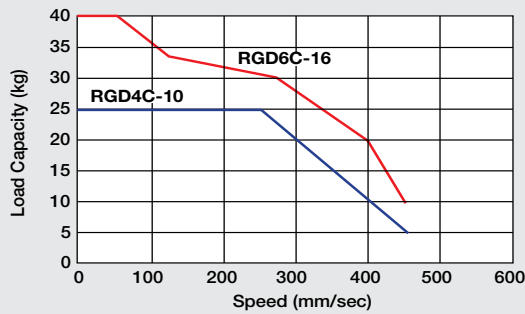
High-Speed Type

Medium-Speed Type

Low-Speed Type

### Horizontal Setting (Note 1)

### Vertical Setting



Note: In the graph above, the number after the type is the lead number.

Note 1: This is the number in the case of horizontal specification, when an external guide is attached.

# Selection Standard (Speed vs. Load Capacity Graph)

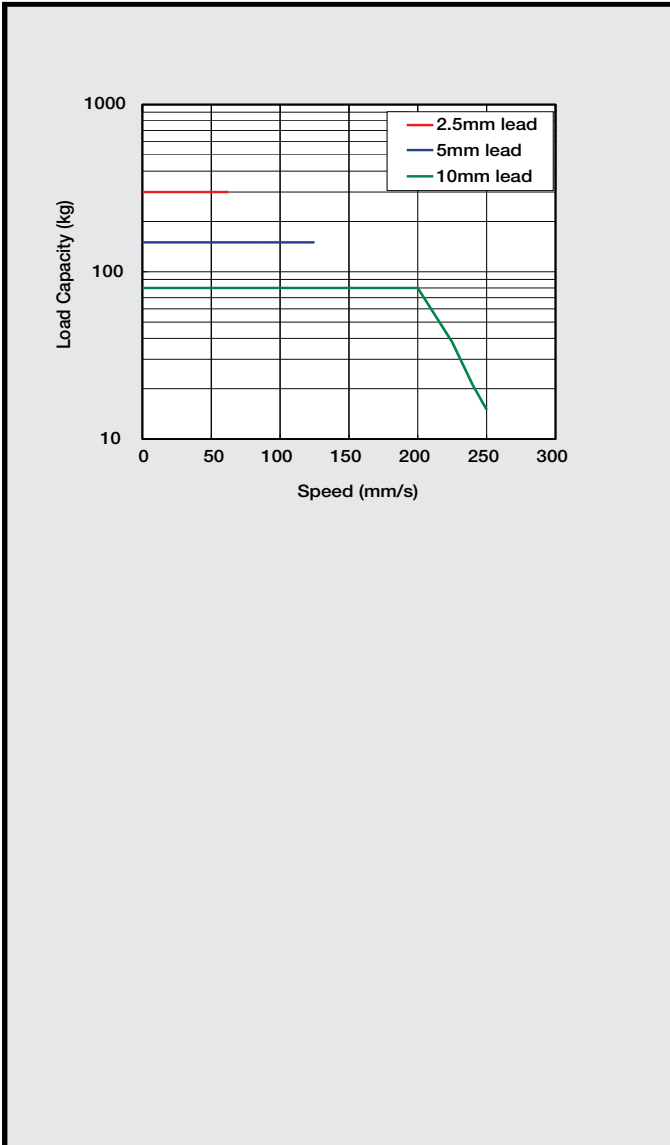
RCP2 Series High-thrust type

**Cautionary Notes**

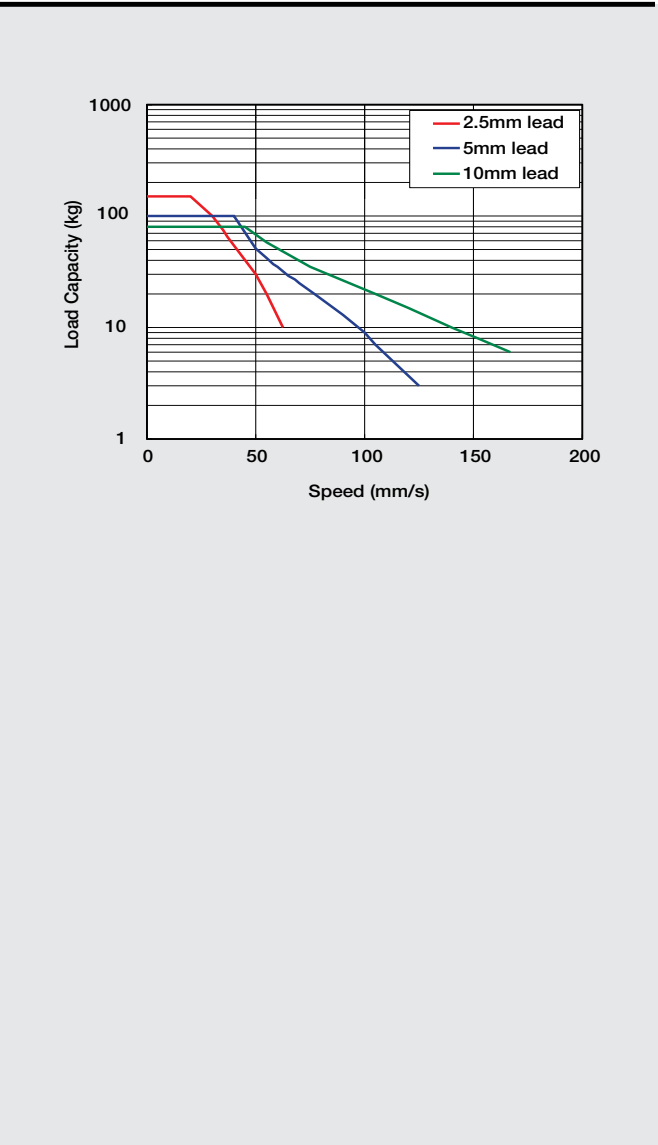
- Absolutely no external force is considered for the rod type, other than that coming from the direction of the rod's advance. Please add a guide if an external force is applied at a right angle to the rod and in the direction of the rotation.
- The graphs below for the horizontal setting shows the values when an external guide.

Use the graphs below to select the model for your purpose.

## Horizontal Setting



## Vertical Setting



Note: In the graph above, the number after the type is the lead number.

RCP2CR Series Slider type

Select horizontal or vertical use

From the device cycle time, select speed type

Use the graphs below to select a model for your purpose

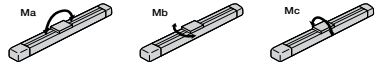


Cautionary Notes

When using a slider type, if the overhang from the center of the object mounted on the slider is large, please consider the moment load and the overhang load length.

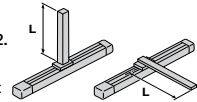
Moment load

Please ensure the moment loads are within the specified range for Ma, Mb, and Mc.



Overhang Load Length

The value when the mounted object's center of gravity is L/2. If the mounted object overhangs in the direction of Ma, Mb, or Mc, make sure that the length is within range.



Horizontal Setting

Vertical Setting

Maximum Speed  
600 mm/sec

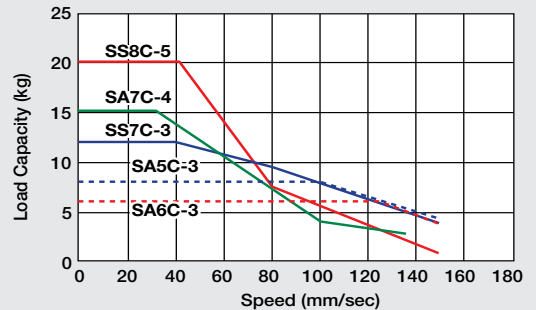
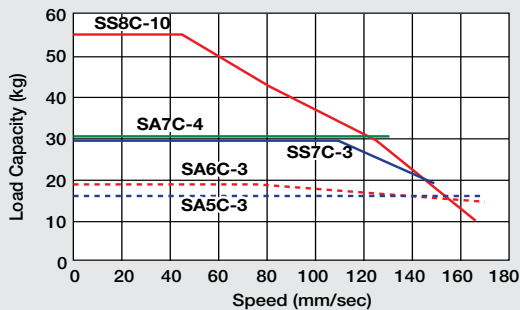
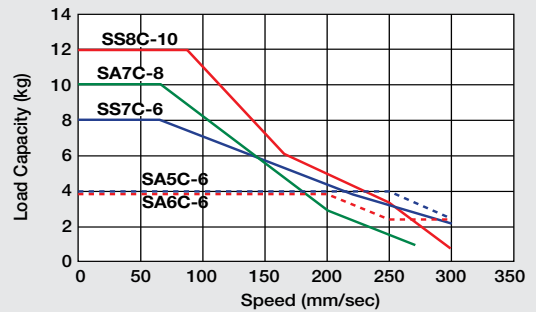
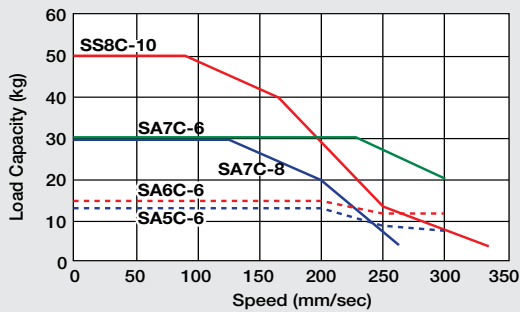
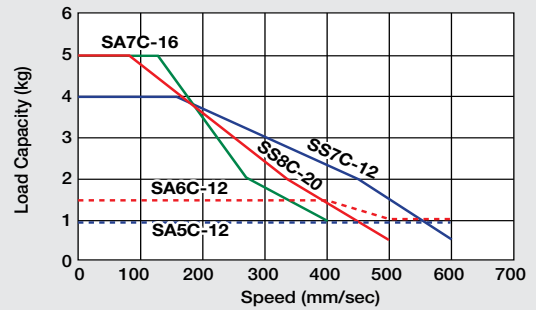
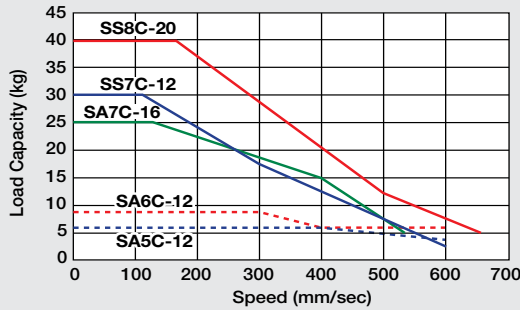
300 mm/sec

150 mm/sec

High-Speed Type

Medium-Speed Type

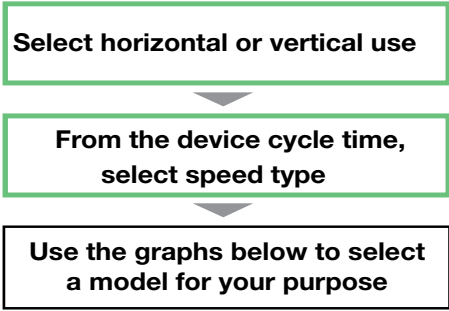
Low-Speed Type



Note: In the graph above, the number after the type is the lead number.

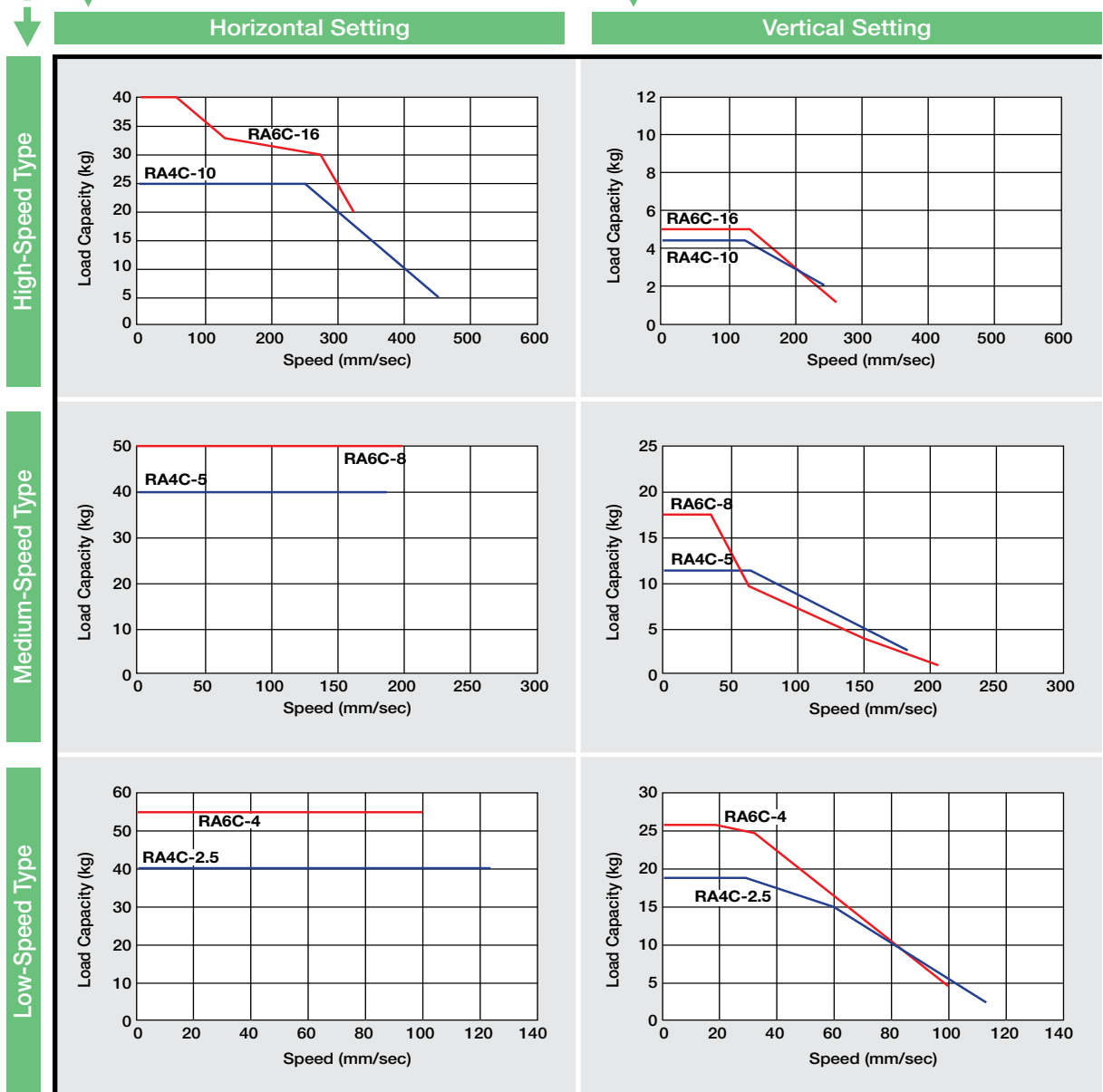
# Selection Standard (Speed vs. Load Capacity Graph)

RCP2W Series Rod type



**Cautionary Notes**

- Absolutely no external force is considered for the rod type, other than that coming from the direction of the rod's advance. Please use a high-rigidity model or add a guide if an external force is applied at a right angle to the rod and in the direction of the rotation.



RCP2W Series

Slider type, Waterproof type

Use the graphs below to select a model for your purpose

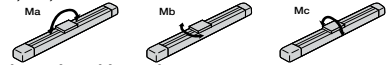


Cautionary Notes

When using a slider type, if the overhang from the center of the object mounted on the slider is large, please consider the moment load and the overhang load length.

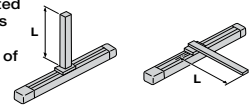
Moment load

Please ensure the moment loads are within the specified range for Ma, Mb, and Mc.

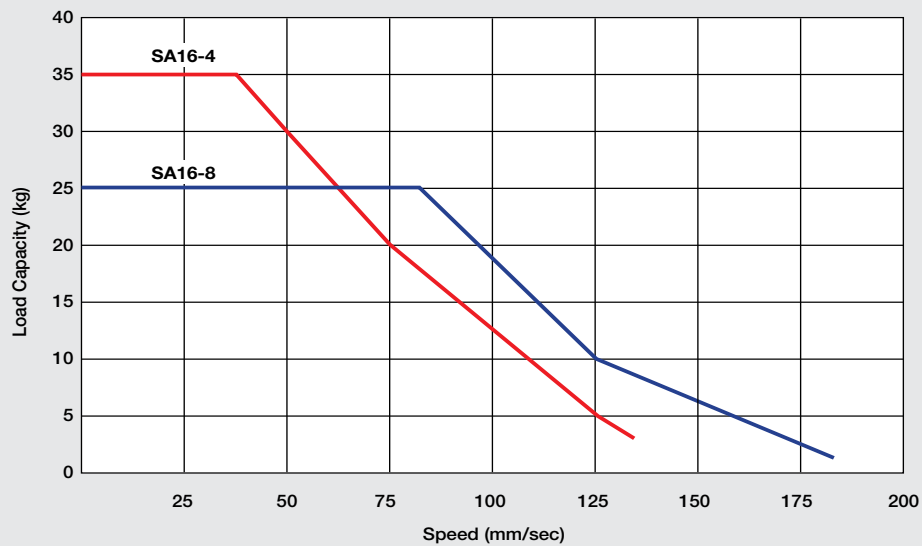


Overhang Load Length

The value when the mounted object's center of gravity is L/2. If the mounted object overhangs in the direction of Ma, Mb, or Mc, make sure that the length is within range.



Horizontal Setting



Note: RCP2W-SA16 has no brake setting, which means vertical use cannot be handled.  
 Note: In the graph above, the number after the type is the lead number.