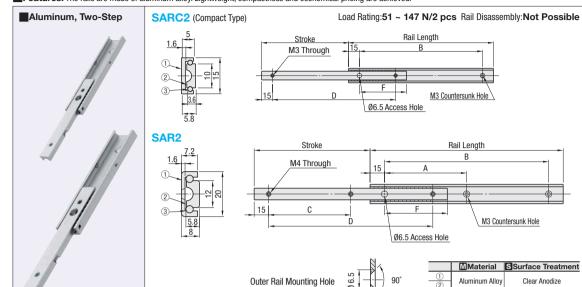
Slide Rails

Load Rating: 51N~147N/2 pcs.

Light Load. Aluminum

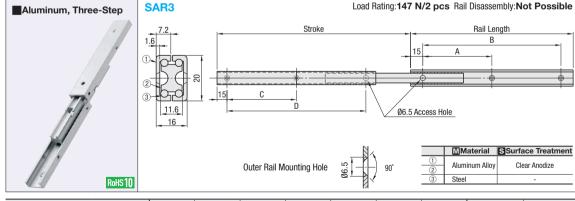
Features: The rails are made of aluminum alloy. Lightweight, compactness and economical pricing are achieved.

A and B indicate outer rail mounting hole



Part Number		Rail Length	Stroke	Α	В	С	D	F	Load Rating (N/2 pcs.)		SARC2		SAR2	
											Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate
Type	No.	Lengin							SARC2	SAR2	1 ~ 5 pc(s).	6 ~ 20 pcs	1 ~ 5 pc(s).	6 ~ 20 pcs
SARC2 SAR2	06	60	30	-	30	-	30	25	51	147				
	07	70	40	-	40	-	40	25						
	09	90	50	-	60	-	60	25						
	10	100	60	-	70	-	70	25						
	20	200	120	85	170	85	170	65	-	117	-	-		
	30	300	180	135	270	135	270	105		98	-	-		
	40	400	240	185	370	185	370	145		88	-	-		
	50	500	300	235	470	235	470	185		78	-	-		

The rails can not be pulled apart. Use M3 Flat Head Screws to mount rails.



Part Numl	Rail	Stroke	_	В	_	D	Load Rating	Unit Price	Volume Discount Rate	
Туре	No.	Length	Stroke	Α	В	C	U	(N/2 pcs.)	1 ~ 5 pc(s).	6 ~ 20 pcs
SAR3	10	100	100	-	70	-	70	107		
	20	200	223	85	170	85	170	88		
	30	300	345	135	270	135	270	68		
	40	400	460	185	370	185	370	49		
	50	500	576	235	470	235	470	29		
For hericantal installation, the toward value of lead waters in OFOV (Defended Value)										

The rails can not be pulled apart. Use M3 Flat Head Screws to mount rails.



RoHS 10					
Part Number					

	IVOID ID			
Part Num	ber			
Туре	No.			
	10			
	20			

For horizontal installation, the target value of load rating is 25% (Reference Value).



Mounting Orientation

- Install the left side and right side slide rails in parallel, while fixing them vertically to the ground.
- Some mounting orientations may degrade load carrying performance significantly. For horizontal installation, the target value of load rating is 25% (Reference Value).
- For horizontal installation, if load more than the above reference value is applied, or if center of gravity is put over positions separated from rail center, inner rails may fall off outer rails. Please test and confirm this issue before using the product.

Mounting Orientation Examples





Slide rails are not vertically installed





One-point contact

Contacts on Ball change due to difference in gravity

center position, or in moving distance between

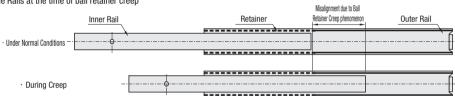
right and left slides, and misalignment may result.

Slide rails are not horizontally aligned. Applying loads on ends when mounted horizontally.

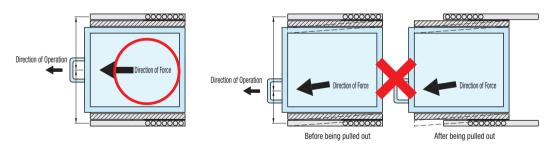
Ball Retainer Creep phenomenon

- · On slide rails, warpage due to machining operations prevents Ball Track Surface from forming into fully circled arch.
- Therefore, contacts between outer / inner rails and balls variously alter, and affect travel distance of these balls, Ball misalignment effect when the said travel distance changes is called Ball Retainer Creep phenomenon.
- If this misalignment occurs, more force than in normal sliding operations may be required to correct the
- · If Ball Retainer Creep phenomenon occurs, softly pull the rails back to the fully open position to correct
- · If the rails are repeatedly slid without being fully opened, the previous misalignment is not corrected, and more significant misalignment may occur.
- · If unbalanced load is applied due to location deviation of grips toward one side slide rail, Ball Retainer Creep phenomenon may occur. Be careful about this upon designing.

Slide Rails at the time of ball retainer creep

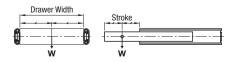


Retainers reach their left ends of the outer rails, but misalignment prevents the product from becoming the full stroke state. In order to resolve Ball Retainer Creep phenomenon, strongly slide inner rails to put the product in full stroke state.



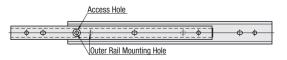
■Load Rating Definition

· Rated load is a static load at the center of extended rail on drawer side.



Mounting Method

• On areas containing conflict between rails and mounting holes, move access holes over mounting holes before mounting screws.



Precaution about other operations

· Strong shocks while opening/closing slide rails will cause damage. Installation of stopper or buffer on the housing is recommended to protect slide rails from strong shocks.