

AUTO-HINGE Black/Matte black flag type

New black hinges
now available
in all series



Matte black



300 Series



1000 Series



2000 Series

Black



100 Series



200 Series



700 Series



PC Series

AUTO-HINGE

Black/Matte black flag type

Black hinges now available for all models of AUTO-HINGE flag type

100 Series

For interior doors



AUTO-HINGE

Model Number		Applicable Door Size (mm)			Applicable Door Weight (kg)	Stop Mechanism	Stop Angle	Max. Door Opening Angle		
Right hand opening	Left hand opening	W	H	D						
112R-V	112L-V	900 (Max)	2100 (Max)	30 (Min)	40 (Max)	-	-	180° Left or Right One-side Opening		
112SR-V	112SL-V					○	85° and 150°			
122R-T-V	122L-T-V					-	-			
122SR-T-V	122SL-T-V					○	85° and 150°			
132R-V	132L-V					-	-			
132SR-V	132SL-V					○	85° and 150°			
133R-V	133L-V				60 (Max)	-	-		-	-
133SR-V	133SL-V					○	85° and 150°			
143R-T-V	143L-T-V					-	-			
143SR-T-V	143SL-T-V					○	85° and 150°			

*Each model consists of a spring hinge and a damper hinge.

Empty Hinge

Model Number		Applicable Door Size (mm)			Applicable Door Weight (kg)	Stop Mechanism	Stop Angle	Max. Door Opening Angle		
Right hand opening	Left hand opening	W	H	D						
110R-V	110L-V	900 (Max)	2100 (Max)	30 (Min)	40 (Max)	-	-	180° Left or Right One-side Opening		
120R-T-V	120L-T-V					-	-			
130R-V	130L-V				60 (Max)	-	-		-	-
140R-T-V	140L-T-V					-	-			

*Empty Hinge consists of an empty hinge only.

*When using the 130-V on a 60 kg door, install it using the supplied M6 screws.

200 Series

For interior doors



AUTO-HINGE

Model Number		Applicable Door Size (mm)			Applicable Door Weight (kg)	Stop Mechanism	Stop Angle	Max. Door Opening Angle
Right hand opening	Left hand opening	W	H	D				
234R-V	234L-V	1200 (Max)	2100 (Max)	40 (Min)	120 (Max)	-	-	180° Left or Right One-side Opening
234SR-V	234SL-V					○	85° and 150°	
244R-T-V	244L-T-V					-	-	
244SR-T-V	244SL-T-V					○	85° and 150°	

*Each model consists of a spring hinge and a damper hinge.

Empty Hinge

Model Number		Applicable Door Size (mm)			Applicable Door Weight (kg)	Stop Mechanism	Stop Angle	Max. Door Opening Angle
Right hand opening	Left hand opening	W	H	D				
230R-V	230L-V	1200 (Max)	2100 (Max)	40 (Min)	120 (Max)	-	-	180° Left or Right One-side Opening
240R-T-V	240L-T-V					-	-	

*Empty Hinge consists of an empty hinge only.

700 Series

For exterior doors / bathroom doors



Black

AUTO-HINGE

Model Number		Applicable Door Size (mm)			Applicable Door Weight (kg)	Stop Mechanism	Stop Angle	Max. Door Opening Angle
Right hand opening	Left hand opening	W	H	D				
733R-V	733L-V	900 (Max)	2100 (Max)	40 (Min)	120 (Max)	-	-	180° Left or Right One-side Opening
733SR-V	733SL-V					○	85° and 150°	

*Each model consists of a spring hinge and a damper hinge.

Empty Hinge

Model Number		Applicable Door Size (mm)			Applicable Door Weight (kg)	Stop Mechanism	Stop Angle	Max. Door Opening Angle
Right hand opening	Left hand opening	W	H	D				
730R-V	730L-V	900 (Max)	2100 (Max)	40 (Min)	120 (Max)	-	-	180° Left or Right One-side Opening

*Empty Hinge consists of an empty hinge only.

PC Series

For exterior doors



Black

AUTO-HINGE

Model Number		Applicable Door Size (mm)			Applicable Door Weight (kg)	Stop Mechanism	Stop Angle	Max. Door Opening Angle	
Right hand opening	Left hand opening	W	H	D					
113R-V-PC	113L-V-PC	900 (Max)	2100 (Max)	30 (Min)	40 (Max)	-	-	180° Left or Right One-side Opening	
113SR-V-PC	113SL-V-PC					○	85° and 150°		
133R-V-PC	133L-V-PC					-	-		
133SR-V-PC	133SL-V-PC			○	85° and 150°				
143R-T-V-PC	143L-T-V-PC			1200 (Max)	40 (Min)	60 (Max)	-		-
143SR-T-V-PC	143SL-T-V-PC						○		85° and 150°
234R-V-PC	234L-V-PC	-	-						
234SR-V-PC	234SL-V-PC	1200 (Max)	40 (Min)	120 (Max)	-	-	180° Left or Right One-side Opening		
244R-T-V-PC	244L-T-V-PC				○	85° and 150°			
244SR-T-V-PC	244SL-T-V-PC				-	-			
244SR-T-V-PC	244SL-T-V-PC					○	85° and 150°		

*Each model consists of a spring hinge and a damper hinge.

Empty Hinge

Model Number		Applicable Door Size (mm)			Applicable Door Weight (kg)	Stop Mechanism	Stop Angle	Max. Door Opening Angle
Right hand opening	Left hand opening	W	H	D				
110R-V-PC	110L-V-PC	900 (Max)	2100 (Max)	30 (Min)	40 (Max)	-	-	180° Left or Right One-side Opening
130R-V-PC	130L-V-PC					-	-	
140R-T-V-PC	140L-T-V-PC			1200 (Max)	40 (Min)	60 (Max)	-	
230R-V-PC	230L-V-PC	-	-					
240R-T-V-PC	240L-T-V-PC					-	-	

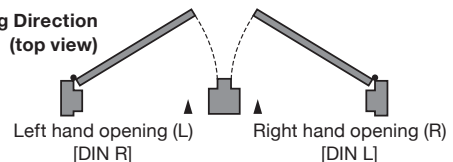
*Empty Hinge consists of an empty hinge only.

Use of Empty Hinge

- Use the Empty Hinge for doors that do not require a closing function, such as sub doors, if you want to match the design with hinges that have a closing function. The appearance of the Empty Hinge is exactly the same as that of the Spring Hinge or Damper Hinge, but it does not have an internal mechanism.
- When installing the Empty Hinge, Spring Hinge and Damper Hinge together, install the Empty Hinge at the center of the door. (The Empty Hinge of the 100 series and 200 series can also be installed at the top of the door.)
- The applicable door weight does not change even when using three hinges to hang the door. Be sure to use the product within the specifications.

- Each model consists of a spring hinge and a damper hinge. Empty hinge consists of an empty hinge only.
- Models with "R" in their model number are for right hand opening doors, and those with "L" are for left hand opening doors. The 300 series is non handed, can be used for both right hand and left hand opening doors.
- Models with "S" in their model number have a built-in stop mechanism.
- Models with "T" at the end of the model number have tapped holes (M6) on the hinge leaf. Same models are also available without tapped holes (Example: 143R-T with tapped holes, 143-R without tapped holes)
- The empty hinges of the 300, 1000 and 2000 series are packaged in 2 pieces per box, the empty hinges of the 100 and 200 series are packaged in 1 piece per box.

Door Opening Direction (top view)



300 Series

For interior doors



Matte black

AUTO-HINGE

Model Number	Applicable Door Size (mm)			Applicable Door Weight (kg)	Stop Mechanism	Stop Angle	Max. Door Opening Angle
	W	H	D				
311S-MV	800 (Max)	2000 (Max)	30 (Min)	30 (Max)	○	85° to 180° (Free stop)	180° Left or Right One-side Opening

*This product can be used for both right hand opening and left hand opening doors.
*Each model consists of a spring hinge and a damper hinge.

Empty Hinge

Model Number	Applicable Door Size (mm)			Applicable Door Weight (kg)	Stop Mechanism	Stop Angle	Max. Door Opening Angle
	W	H	D				
310-MV	800 (Max)	2000 (Max)	30 (Min)	30 (Max)	-	-	180° Left or Right One-side Opening

*This product can be used for both right hand opening and left hand opening doors.
*Empty Hinge consists of an empty hinge only.

1000 Series

For interior doors



Spring hinge

Matte black



Damper hinge

AUTO-HINGE

Model Number		Applicable Door Size (mm)			Applicable Door Weight (kg)	Stop Mechanism	Stop Angle	Max. Door Opening Angle
Right hand opening	Left hand opening	W	H	D				
1111R-MV	1111L-MV	850 (Max)	2000 (Max)	30 (Min)	35 (Max)	-	-	180° Left or Right One-side Opening
1111SR-MV	1111SL-MV					○	85°	
1111FR-MV	1111FL-MV					○	85° to 180° (Free stop)	
1211R-MV	1211L-MV					-	-	
1211SR-MV	1211SL-MV					○	85°	
1211FR-MV	1211FL-MV					○	85° to 180° (Free stop)	

*Models with "FR" or "FL" at the end of their model number have the "Free Stop" function.
*Each model consists of a spring hinge and a damper hinge.

Empty Hinge

Model Number		Applicable Door Size (mm)			Applicable Door Weight (kg)	Stop Mechanism	Stop Angle	Max. Door Opening Angle
Right hand opening	Left hand opening	W	H	D				
1110R-MV	1110L-MV	850 (Max)	2000 (Max)	30 (Min)	35 (Max)	-	-	180° Left or Right One-side Opening
1210R-MV	1210L-MV					-	-	

*Empty Hinge consists of an empty hinge only.

2000 Series

For interior doors



Matte black

AUTO-HINGE

Model Number		Applicable Door Size (mm)			Applicable Door Weight (kg)	Stop Mechanism	Stop Angle	Max. Door Opening Angle
Right hand opening	Left hand opening	W	H	D				
2211R-MV	2211L-MV	800 (Max)	2000 (Max)	30 (Min)	30 (Max)	-	-	180° Left or Right One-side Opening
2211WR-MV	2211WL-MV							

*Models with "W" in their model number are for wooden doors. Models without "W" are for aluminum and lightweight steel doors.
*Each model consists of a spring hinge and a damper hinge.

Empty Hinge

Model Number		Applicable Door Size (mm)			Applicable Door Weight (kg)	Stop Mechanism	Stop Angle	Max. Door Opening Angle
Right hand opening	Left hand opening	W	H	D				
2210R-MV	2210L-MV	800 (Max)	2000 (Max)	30 (Min)	30 (Max)	-	-	180° Left or Right One-side Opening
2210WR-MV	2210WL-MV							

*Models with "W" in their model number are for wooden doors. Models without "W" are for aluminum and lightweight steel doors.
*Empty Hinge consists of an empty hinge only.

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