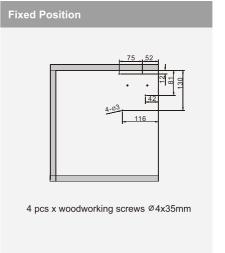


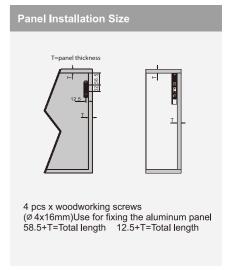
Freely Stop Lifting Gas Support

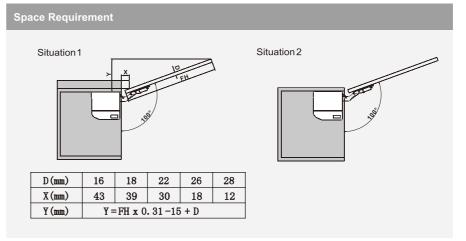
1.The lift system is suitable for wall cabinets and tall cabinets with low he 2.With soft closing under angle 25°, max opening angle is 100° 3.No need hinges for cabinet 4.Easy to open, free stop function 5.Force of opening or closing is adjustable 6.Easy assembly and adjustment 7.Different color options for decoration cover

03 kav

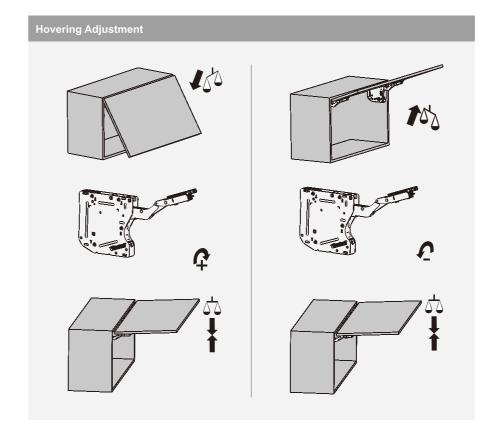
kav









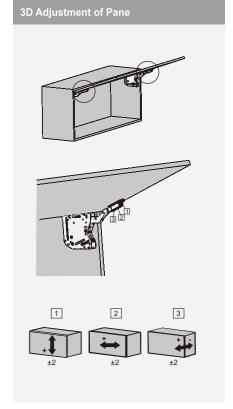


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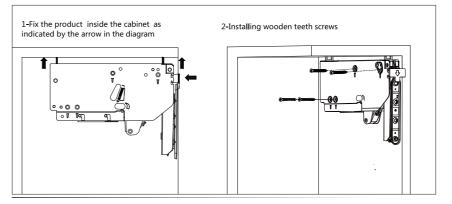




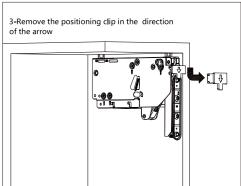
HM07
Up Turning Soft Close Gas Support



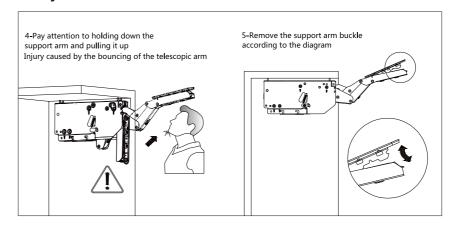
Cabinet Installation Positioning



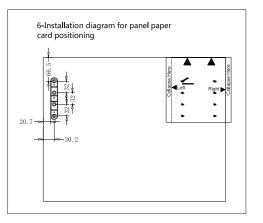
Positioning Buckle



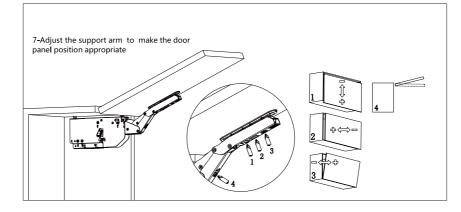
Safety Instructions



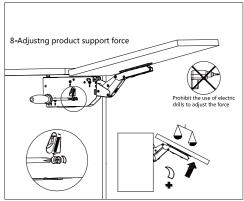
Paper Card Positioning (mm)



Door Panel Adjustment



Product Force Adjustment

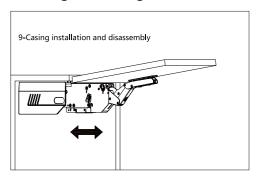


Door Panel Adjustment

Model		(mm) Panel height corresponds to beaning weight								
	400	450	500	550	600	650 700	700	800		
Medium sized	5.0kg ~9.2kg	4.3kg ~8.5kg	3.8kg ~8.0kg	3.2kg ~7.5kg	2.8kg ~7.0kg	2.4kg ~6.4kg				
Heavy				6.1kg ~12.5kg	5.5kg ~11.8kg	5.0kg ~11.1kg	4.5kg ~10.6kg	3.5kg ~9.0kg		

Attention: Choose the model for installation based on the height and weight of the panel Light duty only suitable for panel height of 400-650mm weight comparison chart on the left Light duty only suitable for panel height of 550-800mm weight comparison chart on the left

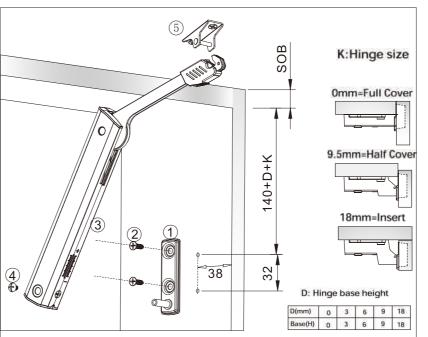
Installing The Casing

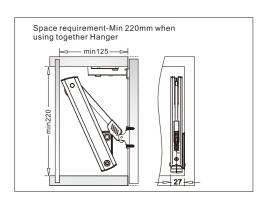


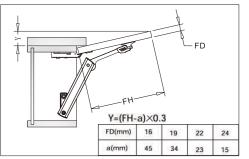


Up Turning Free Stop Lift System

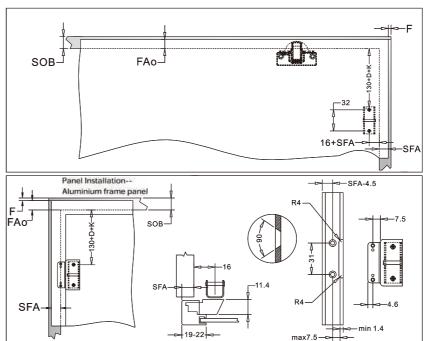
Cabinet Installation And Positioning Dimensions(mm)



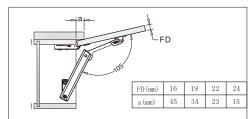




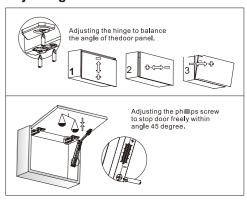
Panel Installation And Positioning Dimensions(mm)



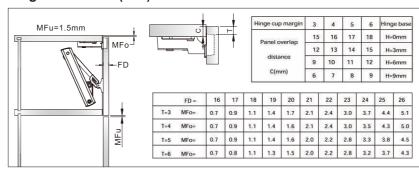
Installation Size(mm)



Adjusting The Force And Balance



Hinge Installation(mm)



F:Door Gap

D:Hinge base height

K:Hinge size

FH:Door panel height

FD:Door panel thickness SOB:cabinet panel thickness

FAo:Top plate size

MFo :Top min door gap

MFu:Down min door gap

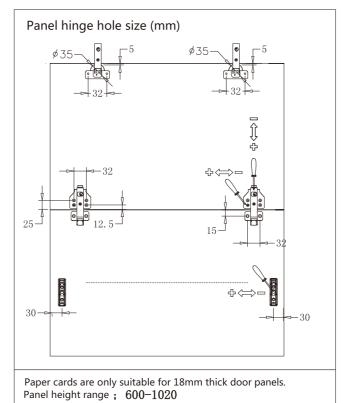
SFA:Side Panel size=

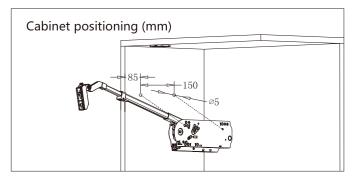
panel thickness-door gap

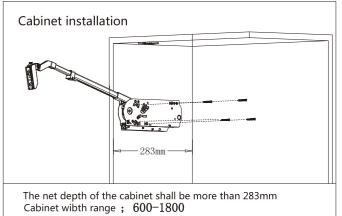




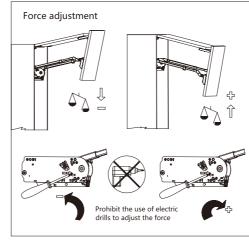
Cabinet Installation Positioning Size ()

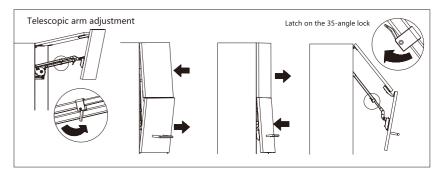


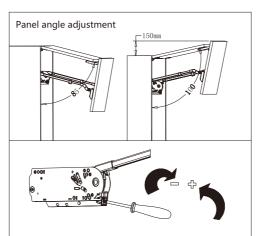


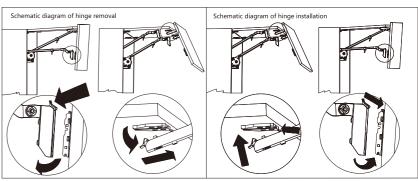


The force is adjusted with the angle of the slab









Model		Panel height corresponds to beaning weight (mm)								
Wiodei	600	650	700	750	800	850	900	1000		
Light duty	5.7~9.8kg	5.5 ~ 9.3kg	5.0~8.8kg	4.5~8.3kg	4.0 ~ 7.8kg					
Medium sized	7.7~11.5kg	7.2 ~11.0kg	6.7 ~ 10.5kg	6.2 ~10.0kg	5.8 ~ 9.5kg					
Heavy				7.2 ~ 11.5kg	7.0~11.0kg	6.5 ~ 10.5kg	6.0 ~ 10.0kg	5.5 ~ 9.1kg		
Heavy Weight				10.5 ~ 17.0kg	9.5 ~ 16.0kg	9.1 ~ 15.0kg	8.8 ~ 14.6kg	8.5 ~ 14.0kg		



HM09
Freely Stop Folding Door Support



Material: Steel+Plastic Finish: Painting

Capacity Range: 50N-150N

Available: Up-turning wooden door and aluminum-frame Advantanges: 1.Force Adjustable, 2.Soft Closing



Parameter

Pip Diameter(mm)	Rod Diameter(mm)	Length(mm)	Hole Distance(mm)	Stroke(mm)	Standard Pressure(mm)
Ф 15	Ф 6	312	282	92	50 - 150 N

Door Width(mm)

Door		450	600	900	1200
Height(mm)	400	50Nx2	50Nx2	80Nx2	100Nx2
ıt(mn	500	50Nx2	100Nx2	100Nx2	150Nx2
ت	600	80Nx2	100Nx2	150Nx2	

18mm MDF Proportion:0.728kg/10CBM

PS:

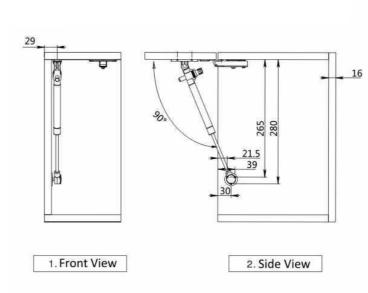
- 1.Please choose the suitable product quantity for working, according to the weight, height and width of door
- 2. Special customized pressure is acceptable, max capacity is 200N
- 3. Different gas spring pressure mates with different damper force

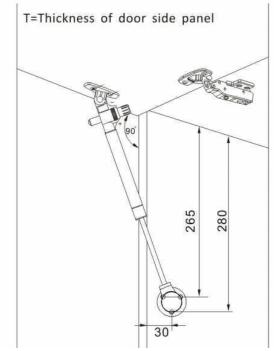
Installation

A. Door fixed location:55mm

B. Side panel fixed location:265mm

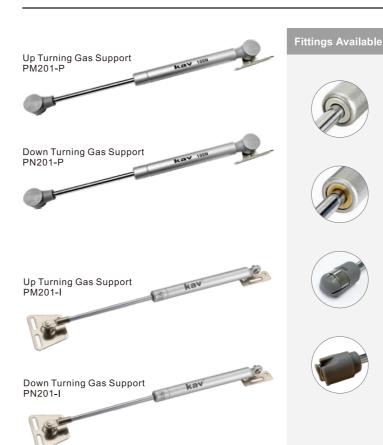
C.Cabinet depth fixed location: 29mm

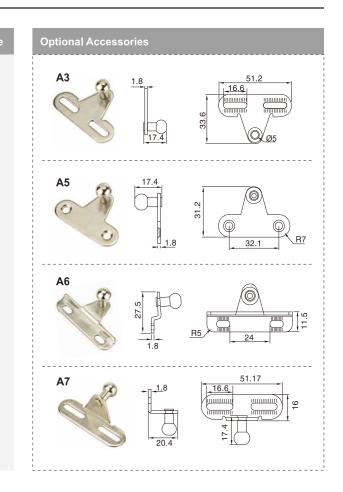


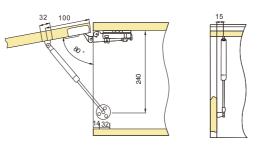




PM201-P/PN201-I Installation Guide

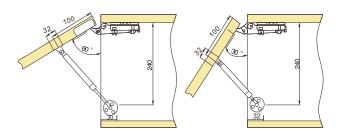






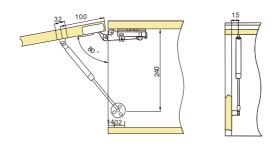
Usage: Pneumatic Up-turning Cabinet Support Force Specification:50-120N

Application:kav gas spring support can make wooden/aluminum door with suitable weight turning upward slowly and steadily.



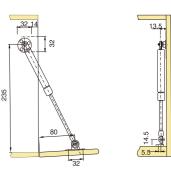
Usage: Pneumatic Up-turning Freely Stop Lift System Force Specification:50-120N

Application:It can make wooden door/aluminum frame with suitable weight stop freely in any position between 30 degree to 90 degree.



Usage: Hydraulic Up-turning Flip Support Force Specification:50-120N

Application:It can make wooden door/aluminum frame with suitable weight turning upward steadily and slowly with soft close function between 30 degree to 90 degree.



Usage: Hydraulic Down-turning Flip Support Force Specification:50-120N

Application: It can make wooden door/aluminum frame with suitable weight turning downward steadily and slowly.



PM201-P / PN201-I

Up-Down Turning Gas Support





Support Force: 40N-200N

Travel: 90mm

Surface Treatment of Pipes: Chrome Plating, Spray Painting

Packaging Quantity: 100 Sets/Box

Center Distance: 248mm

Rod Surface Treatment: Chrome Plating Main Materials: Plastc, Iron, Copper

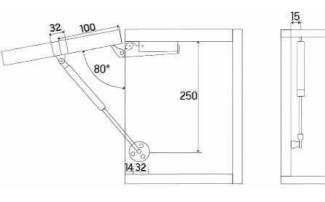
Optional Functions: Upward Flip Door Support,

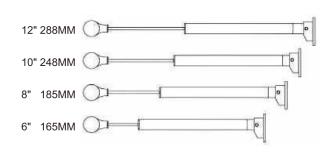
Downward Flip Door Buffering Upward Flipping Door Can Stop At Will,

And Upward Flipping Door Buffering



Installation Method





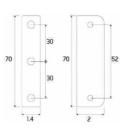
Selective Color











BA03ZC-319SU Soft Close Up Turning Gas Support (Short rod)





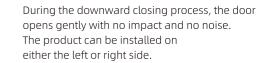
During the downward closing process, the door opens gently with no impact and no noise. The product can be installed on either the left or right side.

Single product torque: 50~70kgf·cm Door weight(m)/2 x Door weight x9.8=4.9~6.86N (50~70 kgf·cm)



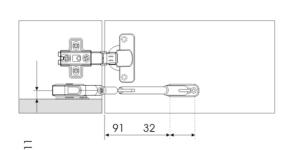
Features:

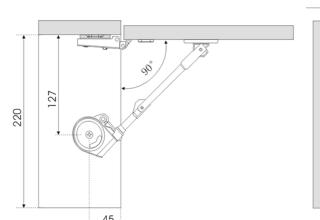
Features:

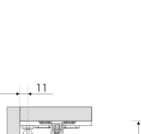


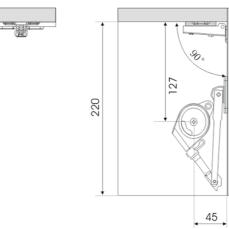
Single product torque: 5~12kgf⋅cm Door weight(m)/2 x Door weight x9.8=0.49~1.18N (5~12 kgf·cm)



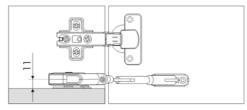


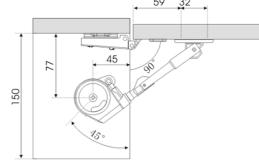


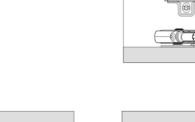


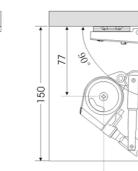


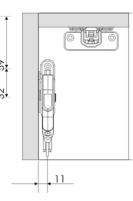




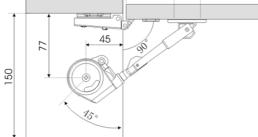












BA03ZC-319SD Soft Close Down Turning Gas Support (Short rod) kav

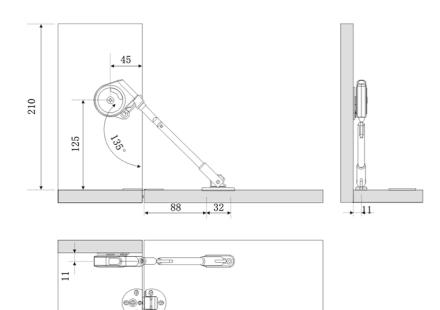


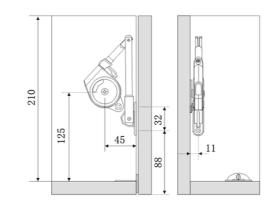
Features:

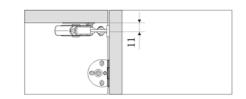
The door opens downward smoothly, reducing impact and noise. The product can be installed on either the left or right side.

Single product torque: 50~70kgf·cm Door weight(m)/2 x Door weight x9.8=4.9~6.86N (50~70 kgf·cm)









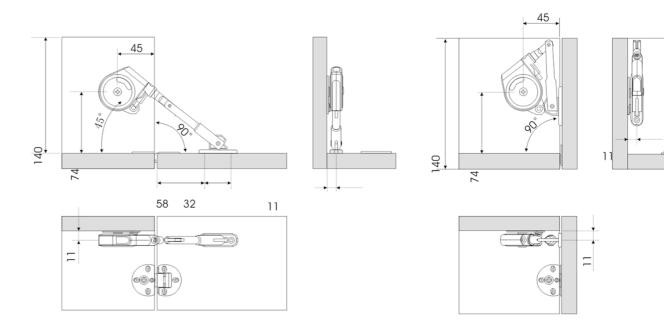
Features:

The door opens downward smoothly, reducing impact and noise. The product can be installed on either the left or right side.

Range:

Single product torque: 5~12kgf⋅cm Door weight(m)/2 x Door weight x9.8=0.49~1.18N (5~12 kgf·cm)







Advantages:

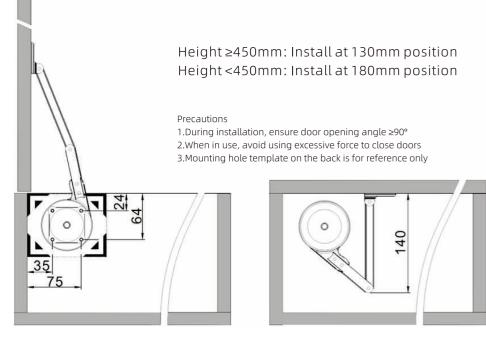
- 1.One size fits all door panel dimensions.
- 2.Installation is very simple: Align the template card with the side panel edge, mark hole positions, and secure with screws.
- 3 Full-range damping mechanism minimizes impact force and noise when closing doors, ensuring safe, slow, and silent closure.

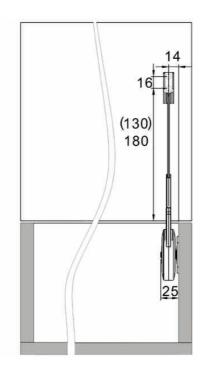


Door Panel Specification Chart

Door Panel Door Panel Width Height	400 <w<600< th=""><th>600<w<800< th=""><th>800<w<1000< th=""><th>1000<w<1100< th=""><th>1000<w<1200< th=""></w<1200<></th></w<1100<></th></w<1000<></th></w<800<></th></w<600<>	600 <w<800< th=""><th>800<w<1000< th=""><th>1000<w<1100< th=""><th>1000<w<1200< th=""></w<1200<></th></w<1100<></th></w<1000<></th></w<800<>	800 <w<1000< th=""><th>1000<w<1100< th=""><th>1000<w<1200< th=""></w<1200<></th></w<1100<></th></w<1000<>	1000 <w<1100< th=""><th>1000<w<1200< th=""></w<1200<></th></w<1100<>	1000 <w<1200< th=""></w<1200<>
350 < H < 450	1 pcs	1 pcs	1 pcs	2 pcs	2 pcs
450 < H < 550	1 pcs	1 pcs	2 pcs	2 pcs	2 pcs
550 < H < 600	1 pcs	2 pcs	2 pcs	2 pcs	2 pcs

Note: This chart uses 18mm thick panels as samples.





Advantages:

- 1.Universal for vanities/tatami beds: Fits all doors ≤550mm height and ≤1200mm width - one model suffices.
- 2.Installation is very simple: Align the template card with the side panel edge, mark hole positions, and secure with screws.
- 3 Full-range damping mechanism minimizes impact force and noise when closing doors, ensuring safe, slow, and silent closure.

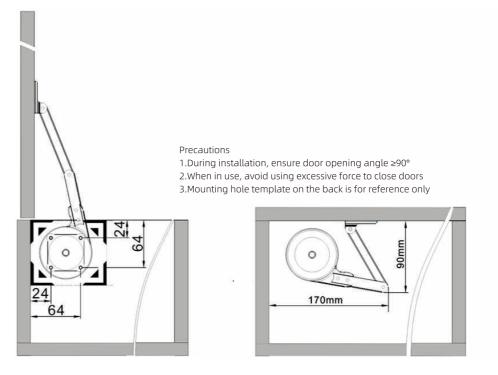
Note: Cabinet depth must be >100mm

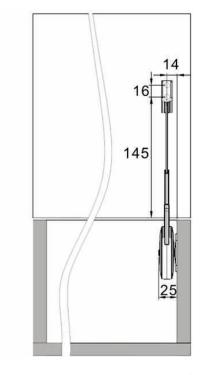




Door Panel Door Panel Width Height	400 <w<600< th=""><th>600<w<800< th=""><th>800<w<1000< th=""><th>1000<w<1100< th=""><th>1000<w<1200< th=""></w<1200<></th></w<1100<></th></w<1000<></th></w<800<></th></w<600<>	600 <w<800< th=""><th>800<w<1000< th=""><th>1000<w<1100< th=""><th>1000<w<1200< th=""></w<1200<></th></w<1100<></th></w<1000<></th></w<800<>	800 <w<1000< th=""><th>1000<w<1100< th=""><th>1000<w<1200< th=""></w<1200<></th></w<1100<></th></w<1000<>	1000 <w<1100< th=""><th>1000<w<1200< th=""></w<1200<></th></w<1100<>	1000 <w<1200< th=""></w<1200<>
350 < H < 450	1 pcs	1 pcs	2 pcs	2 pcs	2 pcs
450 < H < 550	1 pcs	2 pcs	2 pcs	2 pcs	2 pcs

Note: This chart uses 18mm thick panels as samples.









Applicable Panel: ≥18mm thickness Max Torque: 4-10N·m (Heavy-duty adjustable) Grooving Method: Front-edge grooving Material: Zinc alloy + ABS Packaging: Set (50 pcs/set)

This product is suitable for drop-down panel furniture such as vanity desks and writing desks, Closing speed is freely adjustable, Adjustable without disassembly, Slowly descends during closing, Prevents direct vertical closure, Ensures anti-pinch safety.

Applicable Panel: ≥18mm thickness Max Torque: 1-8N·m (Heavy-duty adjustable) Grooving Method: Side-edge milling

Material: Zinc alloy

Packaging: Set (100 pcs/set)

This product is suitable for drop-down panel furniture such as vanity desks and writing desks, Achieves concealed hardware installation, Clean and aesthetic appearance. Slowly descends during closing, Prevents direct vertical closure, Anti-pinch safety function, etc.

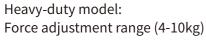


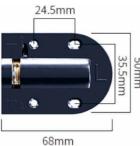
Product Size Diagram(mm)

Boring Dimensions Ø4mm

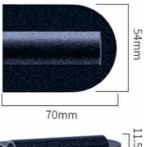




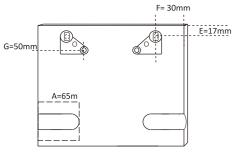




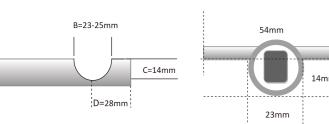


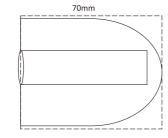


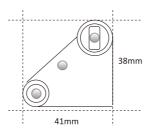




Groove length A=65mm Groove width B=23-25mm Groove depth C=14mm Groove center point D=28mm Base center height hole E=17mm Base to backplate distance F=30mm Base vertical angle G=50mm

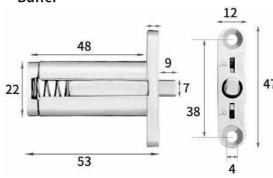




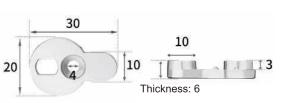


Product Size Diagram(mm)

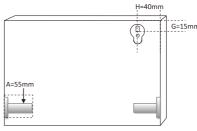
Buffer



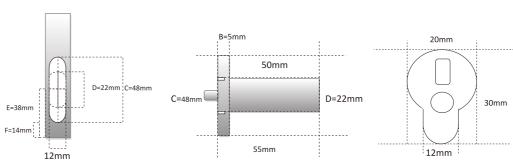
Base

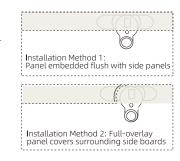


Note: Data is manually measured and may have minor errors. Actual dimensions subject to physical product.



Groove depth A=55mm Groove requirement B=5mm Groove length C=48mm Milling width D=22mm Base center hole position E=38mm Panel remaining dimension F=14mm Base center hole height G=15mm Base to backplate distance H=40mm





BA04ZC-H09 Tatami Lift Support





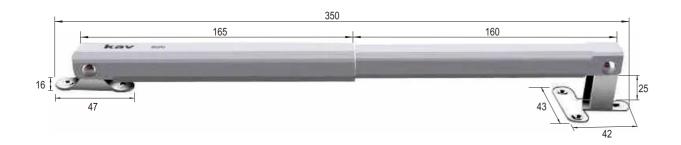
Advantages:

1.One size fits all door panels

2.Simple installation: Align the arrow on the support back with the panel edge, then secure with screws directly 3.Full-range damping mechanism allows smooth opening while minimizing impact force and noise during closing, ensuring safe/slow/silent closure

Material: Steel + ABS Opening Angle: approx. 95° Applicable Door Height: 320-650mm Applicable Width: 300-130mm Packaging: 60 pcs/carton

Important: Door panel height must not be less than 320mm

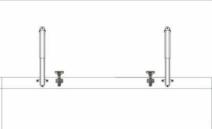


Mounting Schematic

Mounting 1 Unit Schematic



Mounting 2 Units Schematic



Mounting 3 Units Schematic



Cabinet Sizing Reference Chart



Hight(mm) Width(mm)	300 <w≤700< th=""><th>700<w≤800< th=""><th>800<w≤900< th=""><th>900<w≤1100< th=""><th>1100<w≤1300< th=""></w≤1300<></th></w≤1100<></th></w≤900<></th></w≤800<></th></w≤700<>	700 <w≤800< th=""><th>800<w≤900< th=""><th>900<w≤1100< th=""><th>1100<w≤1300< th=""></w≤1300<></th></w≤1100<></th></w≤900<></th></w≤800<>	800 <w≤900< th=""><th>900<w≤1100< th=""><th>1100<w≤1300< th=""></w≤1300<></th></w≤1100<></th></w≤900<>	900 <w≤1100< th=""><th>1100<w≤1300< th=""></w≤1300<></th></w≤1100<>	1100 <w≤1300< th=""></w≤1300<>
320 <w≤350< td=""><td>1 Unit 80N</td><td>1 Unit 80N</td><td>1 Unit 80N</td><td>1 Unit 80N</td><td>2 Units 80N</td></w≤350<>	1 Unit 80N	1 Unit 80N	1 Unit 80N	1 Unit 80N	2 Units 80N
350 <w≤400< td=""><td>1 Unit 80N</td><td>1 Unit 80N</td><td>1 Unit 80N</td><td>1 Unit 80N</td><td>2 Units 80N</td></w≤400<>	1 Unit 80N	1 Unit 80N	1 Unit 80N	1 Unit 80N	2 Units 80N
400 <w≤450< td=""><td>1 Unit 80N</td><td>1 Unit 80N</td><td>1 Unit 80N</td><td>2 Units 80N</td><td>2 Units 80N</td></w≤450<>	1 Unit 80N	1 Unit 80N	1 Unit 80N	2 Units 80N	2 Units 80N
450 <w≤500< td=""><td>1 Unit 80N</td><td>1 Unit 80N</td><td>1 Unit 80N</td><td>2 Units 80N</td><td>2 Units 80N</td></w≤500<>	1 Unit 80N	1 Unit 80N	1 Unit 80N	2 Units 80N	2 Units 80N
500 <w≤550< td=""><td>1 Unit 80N</td><td>2 Units 80N</td><td>2 Units 80N</td><td>3 Units 80N</td><td>3 Units 80N</td></w≤550<>	1 Unit 80N	2 Units 80N	2 Units 80N	3 Units 80N	3 Units 80N
550 <w≤600< td=""><td>2 Units 80N</td><td>2 Units 80N</td><td>3 Units 80N</td><td>3 Units 80N</td><td>3 Units 80N</td></w≤600<>	2 Units 80N	2 Units 80N	3 Units 80N	3 Units 80N	3 Units 80N