



Multifunction Closer Hinge

A Movement Revolution

Opening architectural elegance and superior user experience



Maximum Movement Minimal Design

Waterson Closer Hinges convey Scandinavian elegance with self closing and reliable speed control functionality for interior and exterior applications.



Photo by Max Touhey

Superb Interior and Exterior Longevity

One million cycle tests ensure that Waterson Closer Hinges are durable and reliable over a long period of frequent use.



Features

- Light Opening Force
- Heavy Duty Loading
- Innovative Weather Cap
- Anti-friction Bearing Surfaces
- Effective Speed Control

Stainless Steel Ensures Attractive Durability

Crafted with 304 & 316 stainless steels, Waterson Closer Hinges are corrosion resistant, making them an aesthetically pleasing and sustainable solution for harsh environments.



K51MP Butt Hinge Type



K51P Surface Mounted Type

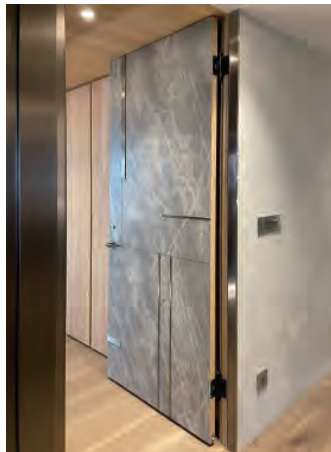


One Solution For Multiple Openings

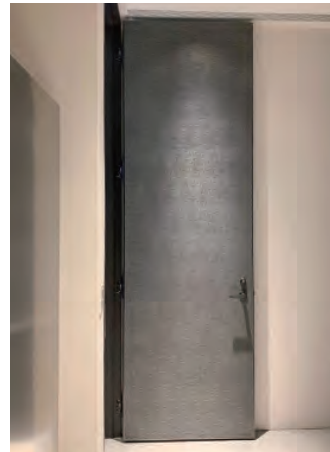
Waterson Closer Hinges elevate a wide range of door styles including: arched top, office glass partitions, interior & exterior gates, and more.



Simple and clean lines



Fits limited spaces



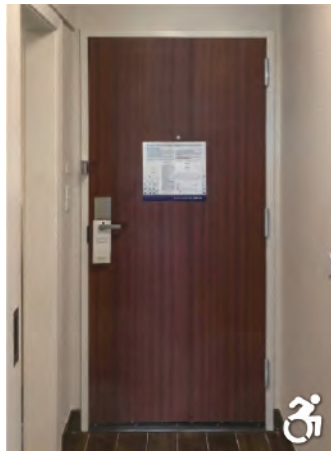
Less torsion on tall doors



Arch top solution



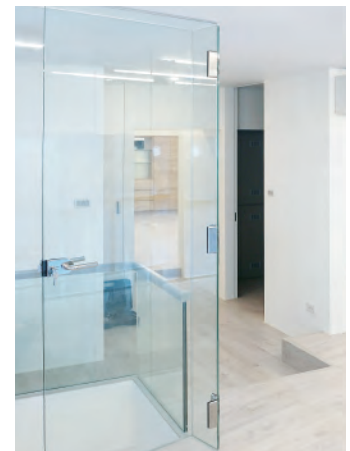
Easy and unobtrusive



ADA-clearance compliant



Heavy duty durable design



Frameless glass door



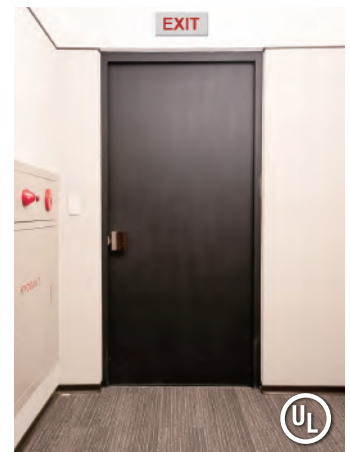
ADA-5lbs force compliant



Maintain aesthetics



Fits multiple gate styles



3-hours fire rated

Easy Installation and Maintenance

Install like traditional hinges in under 25 minutes. The patented self-closing mechanism is easily adjusted with a standard hex wrench and requires little maintenance.



Quick Adjustments

- Standard Hex Wrench
- Precision Force Setting
- Latch & Swing Speed Control

The higher the number, the stronger the closing force.



Easy speed adjustment.

The Self-Closing Hinge Family

- Multiple Finishes Available
- Light Opening Force - ADA 5lbs
- Slow Closing Speed - ADA 5 secs
- High Quality SST 304 / 316
- Three Hours Fire Rated - UL listed. NFPA 80

Commercial Self-closing Hinge

6" x 6"

5" x 5"

4.5" x 4.5"

4" x 4"



Swing Clear Hinge



Gate Closer Hinge



Glass Closer Hinge



Customization Capability

We provide all standard commercial template sizes and can easily swap with standard 4" x 4", 4.5" x 4.5", 5" x 5", up to 6" x 6" spring hinges. Other screw patterns can be custom made per your particular needs.

All Stainless Steel

Hinge Gauge

0.130"
0.134"
0.146"
0.160"
0.190"

Leaf Size

4" x 4"
4.5" x 4.5"
4.5" x 5"
5" x 5"
6" x 6"
Custom



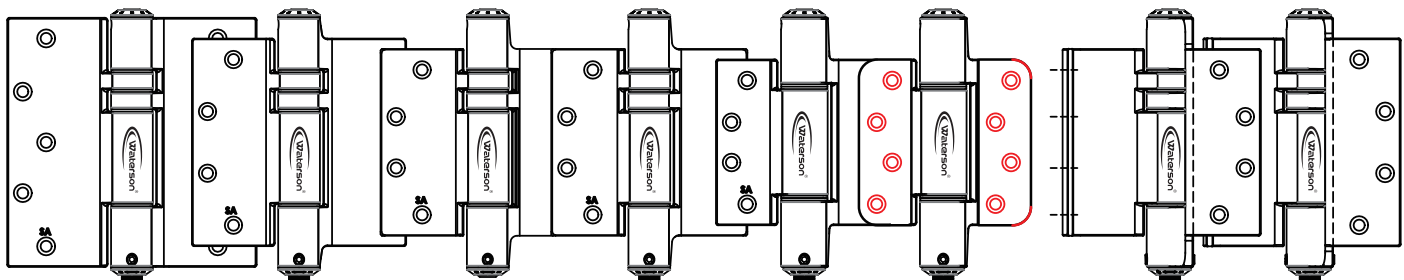
Finish



Screw Pattern see below

K51M - Full Mortise Sizes

K51L - Swing Clear Sizes



Identification	K51M-600	K51M-500	K51M-500D	K51M-455	K51M-450	K51M-400	K51M-400-R	K51L-SWRH-450	K51L-SWRH-545
Hinge Size	6" x 6"	5" x 5"	5" x 5"	4.5" x 5"	4.5" x 4.5"	4" x 4"	4" x 4"	4.5" x 4.5"	5" x 4.5"
Hinge Gauge	0.160"	0.146"	0.190"	0.134"	0.134"	0.130"	0.130"	0.134"	0.190"
Door Thickness	2-1/4" and up	1-3/4" to 2-1/4"	1-3/4" to 2-1/4"	1-3/4" to 2-1/4"	1-3/4"	1-3/8"	1-3/8"	1-3/4"	1-3/4" to 2-1/4"

Full Mortise - K51M		Door Size (Maximums)			Operation		Closer Hinges		Others
Identification <i>Useable with fire-rated doors</i>	BHMA Template Size(in)	Thickness (in)	W x H (ft)	Weight (lbs)	Fire Door Hold Open	Mechanical: All Locations Hybrid: Softer Closer Interior Only	Per Door	Configuration Set	Finishes
<i>K51M-400-A3</i>	4 x 4 x 0.130 (A40M)	1-3/8	4 x 7	260		Mechanical	3	A3: SA.SA.SA1	 Stainless Steel US32D 630  Flat Black US19 631  Dark Bronze US10B 695  Satin Brass US4 731  Satin Bronze US10 612  Custom
<i>K51M-400-B3</i>						Hybrid	3	B3: DS.HA.SA1	
K51M-400-C3						Mechanical	3	C3: SB.SA.SA1	
K51M-400-D3						Hybrid	3	D3: DS.HA.SB	
K51M-400-C4			4 x 8	260		Mechanical	4	C4: SA.SB.SA.SA1	
K51M-400-D4						Hybrid	4	D4: DS.SB.HA.SA1	
<i>K51M-400-A4</i>				330		Mechanical	4	A4: DS.SA.SA.SA1	
<i>K51M-400-B4</i>						Hybrid	4	B4: DS.SA.HA.SA1	
<i>K51M-450-A3</i>	4.5 x 4.5 x 0.134 (A45M5)	1-3/4	4 x 7	260		Mechanical	3	A3: SA.SA.SA1	 Dark Bronze US10B 695  Satin Brass US4 731  Satin Bronze US10 612  Custom
<i>K51M-450-B3</i>						Hybrid	3	B3: DS.HA.SA1	
K51M-450-C3						Mechanical	3	C3: SB.SA.SA1	
K51M-450-D3						Hybrid	3	D3: DS.HA.SB	
K51M-450-C4			4 x 8	260		Mechanical	4	C4: SA.SB.SA.SA1	
K51M-450-D4						Hybrid	4	D4: DS.SB.HA.SA1	
<i>K51M-450-A4</i>				330		Mechanical	4	A4: DS.SA.SA.SA1	
<i>K51M-450-B4</i>						Hybrid	4	B4: DS.SA.HA.SA1	
<i>K51M-500D-A3</i>	5 x 5 x 0.146 (A50M)	1-3/4 to 2-1/4	4 x 7	260		Mechanical	3	A3: SA.SA.SA1	 Custom Options D: Doorstop 316: Stainless steel R14: 1/4" Radius Corners R58: 5/8" Radius Corners
<i>K51M-500D-B3</i>						Hybrid	3	B3: DS.HA.SA1	
K51M-500D-C3						Mechanical	3	C3: SB.SA.SA1	
K51M-500D-D3						Hybrid	3	D3: DS.HA.SB	
K51M-500D-C4			4 x 8	260		Mechanical	4	C4: SA.SB.SA.SA1	
K51M-500D-D4						Hybrid	4	D4: DS.SB.HA.SA1	
<i>K51M-500D-A4</i>				330		Mechanical	4	A4: DS.SA.SA.SA1	
<i>K51M-500D-B4</i>						Hybrid	4	B4: DS.SA.HA.SA1	
<i>K51M-600-A3</i>	6 x 6x 0.160 (A60M)	2-1/4 up	4 x 7	260		Mechanical	3	A3: SA.SA.SA1	R14: 1/4" Radius Corners R58: 5/8" Radius Corners
<i>K51M-600-B3</i>						Hybrid	3	B3: DS.HA.SA1	
<i>K51M-600-A4</i>			4 x 8	330		Mechanical	4	A4: DS.SA.SA.SA1	
<i>K51M-600-B4</i>						Hybrid	4	B4: DS.SA.HA.SA1	

► Non-Handed ► Conforms to ANSI/BHMA A156.7 ► Refer to NFPA-80 for number of hinges required on a fire-rated door.

A Waterson Hinge Set contains 3 - 4 hinges. Each hinge provides a specific and distinct function that contributes to the set's optimal performance.

Why Waterson

Waterson Closer Hinges are engineered with maximum self-closing function in a simple and sleek stainless steel barrel. This minimalistic design is environmentally friendly and ensures the preservation of architectural integrity, while easily complying with building codes like ADA and NFPA80. They can be used on multiple interior or exterior applications and provide exceptional longevity. Contact us for your unique application needs.

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- A photograph of a light-colored wooden door with a black frame, set against a wall of vertical wood slats. The door has two vertical silver handles. The hinges are visible on the left and right edges of the door frame.
- ✓ Sleek
 - ✓ Durable
 - ✓ Easy to install

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