

ANSI/BHMA A.156.17 GRADE 1 PASSED 1,000,000 TESTING CYCLES

3 IN 1 SELF CLOSING HINGE

Patented

Combines A Hinge & Door Closer in One Product
Optionally A Hold Open Hinge Can Be Added



Advanced Engineering

Maintenance-Free

Full Adjustable

Strength

Durability

Code Compliant

Material

Patent

Combines A Heavy Duty Hinge & Door Closer

Stainless-steel Construction, No Leaking Oil.

Complete Adjustability Of Closing Force And Closing Speed.

Maximum Door loading with auto door-close function - 440 lbs – 4 Hinge Application

1,000,000 Cycle Tested To Provide Many Years Of Maintenance Free.

ADA, UL Listed R26997, ANSI/BHMA A156.17 Grade 1.

304 or 316 Stainless Steel

Invention Patent : US 8683654B2, US 9617772B1



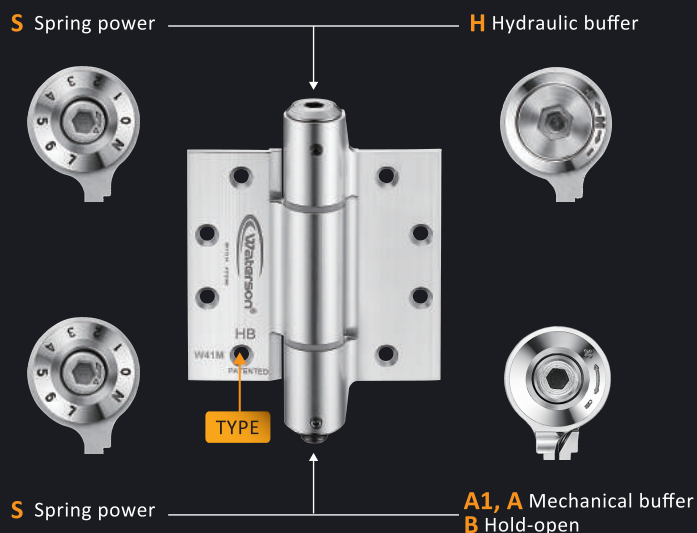
3 IN 1 SELF CLOSING HINGE

Easy to open and close



K51M, W41K and W41M Series

| Material and Door types | Model Name | Dimensions | Door thickness | Gauge | Hinge combination and installation positions | | |
|--|------------|-------------|----------------|--------|--|---|--|
| Made of stainless steel,for fire-proof doors and metal doors | K51M-640 | 6″x 4″ | 35-45 mm | 4.1 mm | Door Weight | Auto closing mode | 85°±5° Hold-open mode |
| | K51M-645 | 6″x 4.5″ | 40-50 mm | | under 70 kg | (DS,HA)=(top, bottom) (SA,SA1)=(top, bottom) | (SB, HS) = (top, bottom) |
| | K51M-650 | 6″x 5″ | 45-55 mm | | under 120 kg | (DS, HA, SA1) =(top, middle, bottom) (SA, SA, SA1) =(top, middle, bottom) | (SB, SA, HS) = (top, middle, bottom) (SB, SA, SA1) =(top, middle, bottom) |
| | K51M-655 | 6″x 5.5″ | 50-60 mm | | | | |
| | K51M-660 | 6″x 6″ | 55-65 mm | | | | |
| Made of aluminium alloy,for wooden doors under 70 kg | W41K | 6″x 4.5″ | 40-50 mm | 5 mm | under 70 kg | (DS,HA)=(top, bottom) | (SB, HS) = (top, bottom) |
| | W41M-400 | 4″ x 4″ | 40-45 mm | 3.3 mm | | | |
| | W41M-450 | 4.5″ x 4.5″ | 45-50 mm | | | | |



| Hinge types | |
|------------------|---|
| Mechanical types | DS Spring power +Spring power |
| | SA1 Spring power + Mechanical buffer controls closing speed in 0°-20° |
| | SA Spring power + Mechanical buffer controls closing speed in 20°-90° |
| | SB Spring power + Hold-open |
| Hydraulic types | HS Hydraulic Buffer + Spring power |
| | HA Hydraulic Buffer + Mechanical buffer controls closing speed in 20°-90° |

Non - Handed for all K51M

All specifications conform to ANSI/BHMA A156.7.

Follow NFPA-80 for number of hinges required on a door.

The product lifetime and its maximum loading weight will be influenced by the loading pressure or the set-up of braking graduation.