

## CHANNEL SPRING RECOIL STAY

The Z109 is a surface mounted door stay typically used on open-out external doors. It is a well-proven and versatile door stay, which limits the door's angle of opening and has a spring recoil feature in the channel to cushion the door and act as a shock absorber as it reaches the full extent of its travel. This helps protect the door and frame and also reduces wear on the hinges.

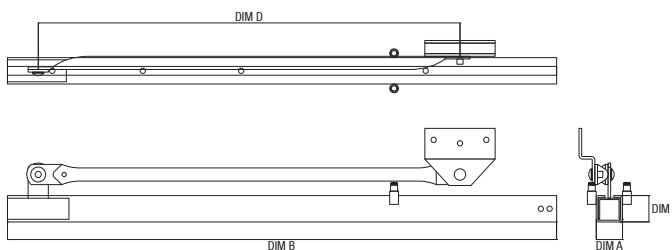
It also has a hold-open feature that will hold the door open at 90° in the fully open position. The swinging pawl automatically falls into the locking position and keeps the door in the open position. **To close the door, the door must be pushed open even further and this will allow the swinging pawl to disengage and drop down so that the door can be closed.** If the stay is mounted closer to the hinge axis the door will open beyond 90°, but if it is mounted further away from the hinge axis the door will open less than 90°. All parts are manufactured from mild steel and are galvanised to afford protection against corrosion. Successfully tested to Grade 4 (240 hours neutral salt spray exposure) in accordance with BS EN 1670:2007 Building Hardware - Corrosion Resistance. Report No WIL 392103 dated 30.01.2018 refers. Maximum door weight 125kg.

Z109.0Z and Z109.1Z are universal and suit both left hand and right hand doors. However the Z109.2Z is handed and you will need to specify whether the stay is to suit a clockwise closing or anti-clockwise closing door when ordering. See page 272 for handing chart. This door stay is available in three sizes to suit different door widths, but the smallest stay is also designed to work on standard width doors fitted with panic bolts. Since the channel is shorter it does not interfere with the panic bolt's vertical rods.



Clockwise closing (RH) illustrated

REF	DIM A	DIM B	DIM C	DIM D
Z109.0Z	30mm	465mm	30mm	320mm
Z109.1Z	30mm	625mm	30mm	480mm
Z109.2Z	30mm	700mm	30mm	630mm



### Z109.0Z

Short pattern.

Heavy duty door holder, spring recoil in channel.

Steel galvanised finish.

Reversible non-handed pattern.

Fixing pack and spring included.

To suit door widths 600mm - 800mm and doors fitted with panic bolts.

Max door area 1.68 m<sup>2</sup> (size 800mm wide x 2100mm high).

(Box Qty 10)



Reversible LH or RH

### Z109.1Z

Standard pattern.

Heavy duty door holder, spring recoil in channel.

Steel galvanised finish.

Reversible non-handed pattern.

Fixing pack and spring included.

To suit door widths 800mm - 1100mm.

Max door area 2.31 m<sup>2</sup> (size 1100mm wide x 2100mm high).

(Box Qty 10)



Reversible LH or RH

### Z109.2Z

Long pattern.

Heavy duty door holder, spring recoil in channel.

Steel galvanised finish.

Reversible non-handed pattern.

Fixing pack and spring included.

To suit door widths 1100mm - 1300mm.

Max door area 2.73 m<sup>2</sup> (size 1300mm wide x 2100mm high).

(Box Qty 10)



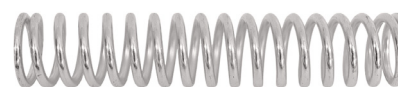
Reversible LH or RH

### Z109/SPRING

Spare spring only to suit Z109 stays.

Zinc plated finish.

(Box Qty 5)



### Z109/PACK

Extra fixing pack available to suit Z109 stays.

Includes swinging pawl.

Spring not included.

(Box Qty 5)

