

## Z102-Z MORTICE DOOR LIMITING STAY

The Z102-Z is a mortice overhead limiting stay which limits the opening angle of a door to 90 degrees. Since it is a morticed product, it is primarily for use on timber doors. It is reversible so is suitable for either left hand or right hand doors. It can also be used on double action doors.

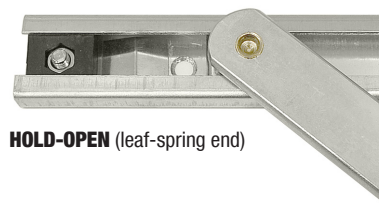
The channel is morticed into the top of the door, and the head plate fits under the soffit. It is manufactured from mild steel with electro zinc-plated finish. There is a leaf spring at one end of the channel, and by reversing the channel it can be fitted to either hold the door open (leaf spring fitted nearest the door jamb) or function as a non-hold open stay (blank end fitted nearest the door jamb).

This product is supplied complete with seven #6 x 19mm BZP countersunk wood screws.

Since this limit stay is often used on outward opening external doors, all parts are electro zinc plated to extend life. The channel is 357mm long x 30mm wide x 12mm deep. The minimum door leaf width for doors fitted with butt hinges is 610mm.

Successfully tested to Grade 3 (96 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.

**Z102-Z** Electro zinc plated steel (Box Qty 5)



**HOLD-OPEN** (leaf-spring end)



**NON-HOLD OPEN** (blank end)

## Z130 PVCU DOOR CONCEALED RESTRICTOR

The Z130 concealed door stay has a 16mm wide x 330mm long channel track and is specifically designed for recessing into the standard Euro groove profile at the top of the door. A Euro groove is an industry standard feature on most PVCu doors but also features on some aluminium and timber doors. This is the groove in the door edge where multi-point locks, espagnolette bolts and door stays are fitted. It is always 16mm for PVCu, but can be 20mm in timber.

Typically used on PVCu conservatory doors, patio doors and French doors the Z130 suits either hand of door and both inward or outward opening doors. It has an opening angle of up to 125 degrees but the channel has multiple fixing holes to locate the nylon end stop which allows smaller opening angles to be set (adjustable stop position). When the door is in the closed position the door restrictor is totally concealed and when it is open the arm and head frame plate are visible.

It has an aluminium channel track, stainless steel arm and zinc alloy head frame plate so it is suitable for external use. It has an adjustable "stop" position to limit the opening angle of the door and prevent the door swinging into walls, downpipes, projecting sills and garden furniture. Friction is also adjustable by means of an adjusting screw in the sliding nylon block to give more control over the door, but please note that over-tightening will result in damage to the door and restrictor. Fixing screws are not supplied with this product.

**Z130** Stainless steel and zinc alloy (Box Qty 10)



PART	LENGTH	WIDTH	DEPTH
CHANNEL	330mm	16mm	11mm
ARM	240mm	16mm	-
HEAD PLATE	76mm	16mm	6.5mm



**ADJUSTING SCREW**



**NYLON END-STOP**

## GARAGE DOOR HOLDERS

The Z113 Reliance door holder is cord operated and has been traditionally used to hold open garage doors. Pulling on the cord releases the door. It has a 380mm long bar, epoxy black finish. (1012 Junior)

**Z113** Junior, epoxy black (Box Qty 1 pr) Only sold in pairs.

The Z114 Reliance door holder is cord operated and has been traditionally used to hold open garage doors. Pulling on the cord releases the door. It has a 610mm long bar, epoxy black finish. (1010 Senior)

**Z114** Senior, epoxy black (Box Qty 1 pr) Only sold in pairs.

