



320 Series Above Panel Installation Guide



AeroCatch® 3 kit contents:

- 2 x AeroCatch® 3
- 4 x Fixing Plates
- 1 x Fastener Kit

Operation

Before starting please familiarise yourself with AeroCatch® 3. Depress the square shaped secondary lock button and lift handle until you override the handle hold-up detent, around 110°. (See Fig 1)
At this position the drawhook is clear of the strike allowing the panels to be pulled apart and the shear tongue disengaged. (See Fig 2)

Fig 1

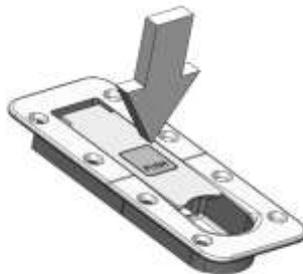
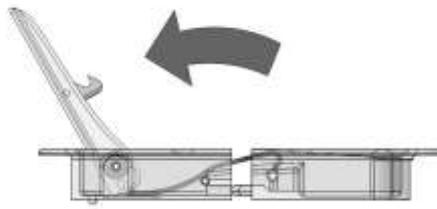


Fig 2



To close the latch, put the panels together and engage the shear tongue, push the handle down until the drawhook engages the strike, pulls the panels together and the secondary lock button snaps into position. An audible click can be heard as it locks.

Installation

Once you have unpacked your AeroCatch[®] 3 kit you will need to mark the panel. You can use the AeroCatch[®] 3 and mark around the housing or make a template using the dimensions from the installation drawing.

First clamp the two panels together in the required position. Lay your template out to determine the centre line of the latch and the panel split line. (See Fig 3)

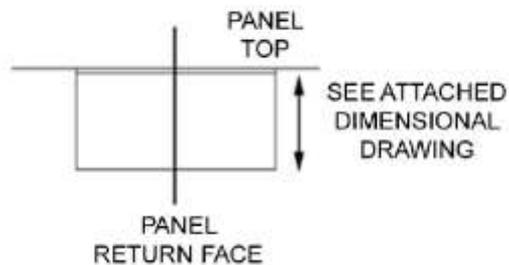
Fig 3



Check that there is sufficient room below the panel for the housings and the location is either flat or with minimal radius. Place the template onto the panel. Line up the split lines on the template with the panel edge. Mark around the cut-out and remove the template.

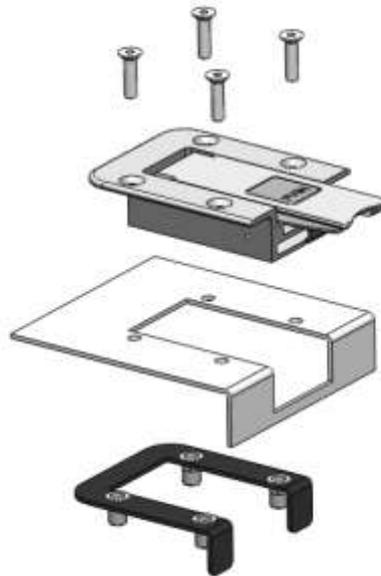
Remove the clamps holding the panels together and mark the cut-out on the return face of both panels. You can now cut the panels as required. (See Fig 4)

Fig 4



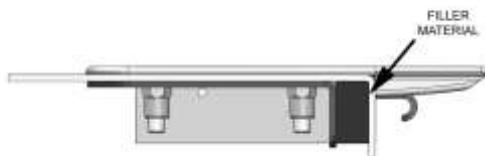
To install the 320 Series Above Panel simply place the AeroCatch® 3 in position and mark the fixing holes, (remember AeroCatch® 3 is symmetrical so you can fit the latch or the strike either side). Alternatively use the dimensions on the installation drawings using the position of the panel split and centre lines as datum points. Drill the fixing holes.

Fig 5



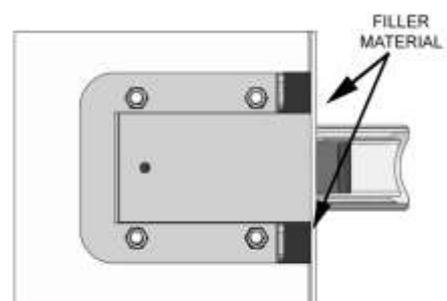
Place one half of the AeroCatch® 3 in position and fasten using the countersunk bolts and load plate provided. The load plate has a return on it that will sit behind the return face of the panel; the gap between the two should be filled with a suitable filler to improve the tensile load carrying capability. Repeat the procedure for the other half. (See Figs 6 & 7)

Fig 6



View from side

Fig 7



View from below

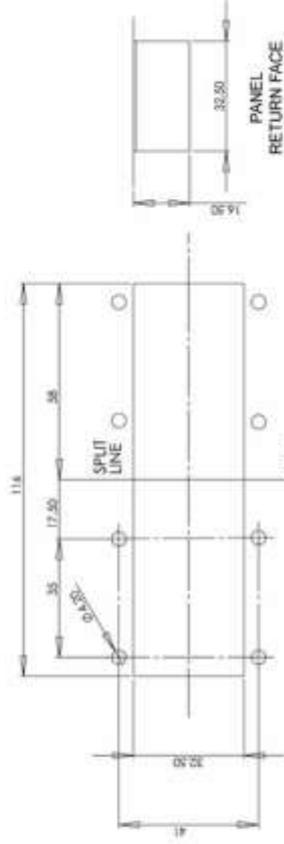
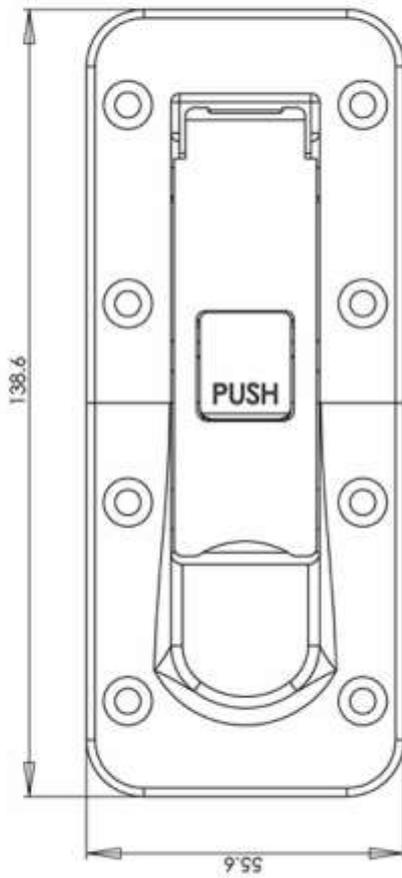
Care of your AeroCatch® 3

To optimise performance of your AeroCatch® 3, clean mechanism regularly with a small brush and lubricate with a light oil spray wiping away any excess

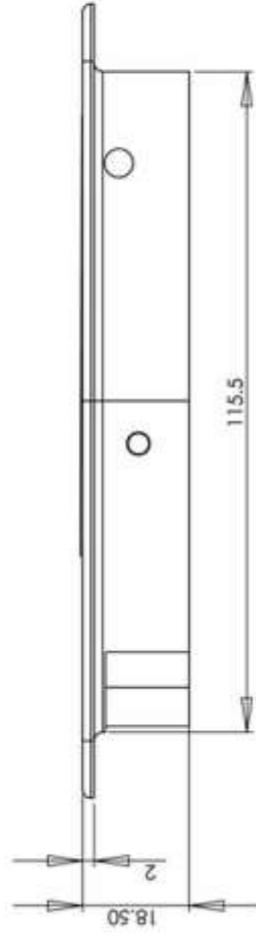
Technical Support

Should you encounter problems or wish to use it in a different application area please call our technical support on +44 (0)1803 868677 or email sales@aerocatch.com.

DO NOT SCALE DRAWING | IF IN DOUBT, ASK | DEBUR AND BREAK SHARP EDGES 0.05-0.15 UNLESS SPECIFIED | DIMENSIONS SHOWN ARE FINISHED DIMENSIONS | IF NOT SIGNED, APPROVED, DRAWING IS REFERENCE ONLY. | PROJECT NO. - AEROCATCH 3



Panel cut-out



NOT TO SCALE



TOLERANCES:
 UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETRES
 LINEAR: INCH X ± 0.030, METRIC X ± 0.05
 SURFACE FINISH: X X ± 0.05, X X ± 0.025, X X ± 0.02
 ALL TOOL TIP RADII R0.4 UNLESS OTHERWISE STATED
 ANGLE: ± 1°

320 SERIES ABOVE PANEL DIMENSIONS AND PANEL CUT-OUT
 TITLE: AEROCATCH 3
 DRAWN: [] DATE: []
 CHECKED: [] DATE: []
 APPROVED: [] DATE: []
 PARTIAL: []
 FINISH: []
 REVISION: []
 PROJECTION: THIRD ANGLE
 DWG NO. 320 SERIES
 (SCALE: 1:1) SHEET 1 OF 1

ISSUE	ECN NO.	REVISION	BY	DATE
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