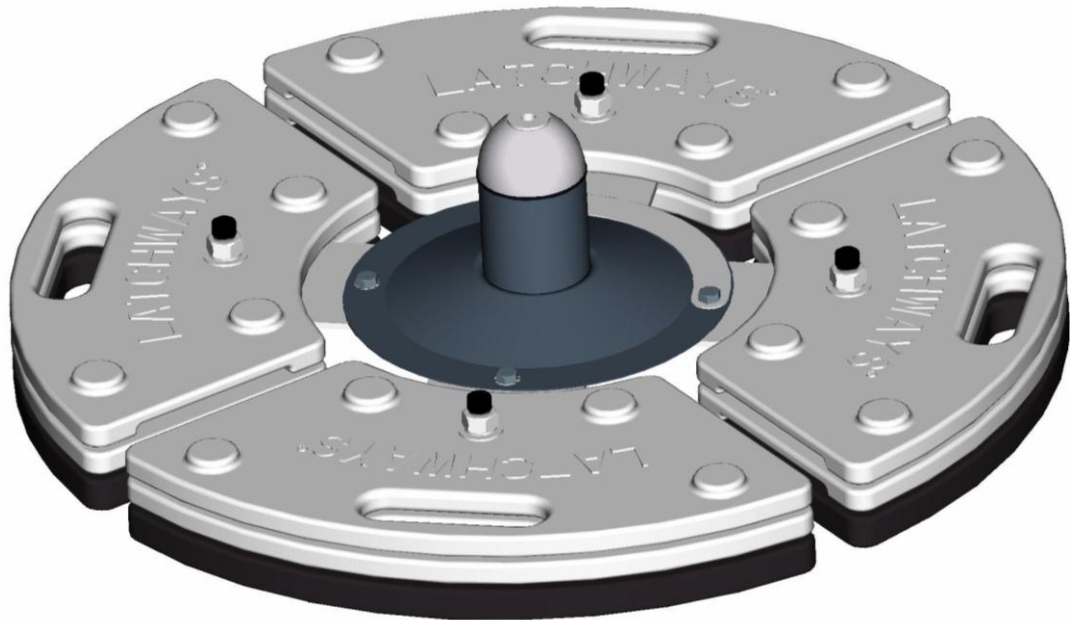


## ManSafe® Constant Force Post Freestanding



MOBILE DEADWEIGHT ANCHOR SYSTEM  
BS EN 795 – CLASS E

### Manufactured by

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# Installation Instructions

Fit the final top four segments onto the assembly.

Secure the segments by fixing 4 x M20 nuts, spring washers and flat washers to the bolts. Tighten each nut until the spring washer goes flat. The maximum recommended tightening torque is 50 Nm. Place 4 X MASKING caps onto the spare thread

Cross check that the correct number of segments have been fitted by referring to the warning label. This identifies the correct number of segments for each roof type.

FINALLY, fit a d-ring to the constant force post using an M12 x 40 mm A4/70 stainless steel bolt and spring washer. The correct tightening torque is reached when the spring washer goes flat underneath the head of the bolt (figure 5). When using spacer part No.85035-00 use 60 mm long bolt.

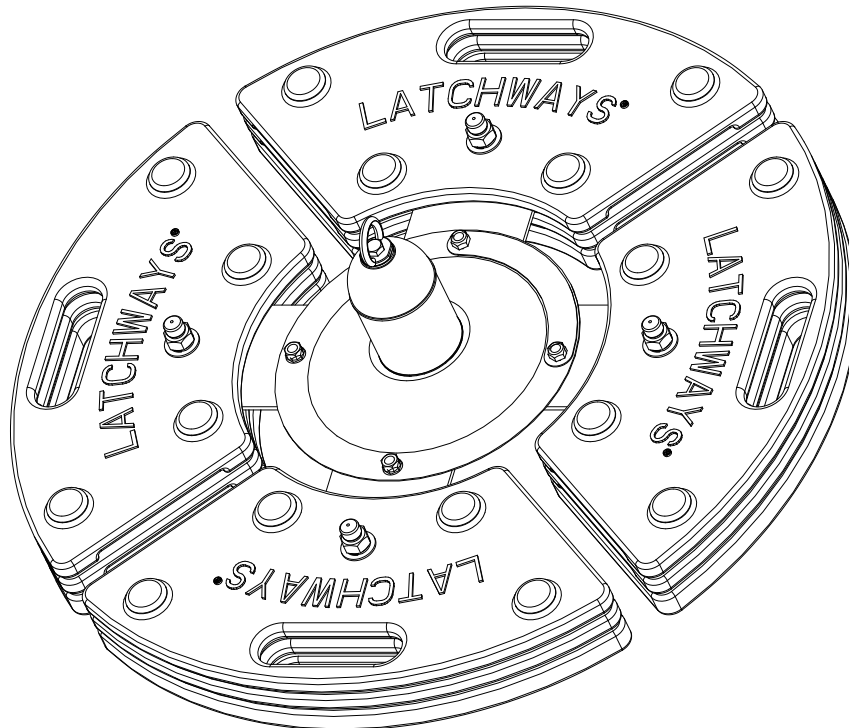


Figure 5

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## 10. Inspection, Maintenance And Storage

Inspection before use checks - always inspect the following:

1. No part of the anchor device is less than 2.5 m from any edge including ROOF LIGHTS, hatches etc.
2. The anchor device is installed so that the rubber coated segments are always in contact with the roof.
3. The anchor device is assembled using the correct number of segments.
4. The roof surface is an appropriate type as described on the warning label and in these instructions.
5. The warning label is present and securely attached to the post base plate.
6. All bolts securing the D-ring, Constant Force post, cross straps and segments are tight.
7. There is no damage to the complete anchor device.
8. There is no damage to the roof area immediately around the anchor device.
9. There is no contamination from oil, grease etc or by growth of algae.
10. Any loose chippings have been removed.
11. The record card has been completed.
12. Signs of corrosion, wear, deformation or other defects to the segments, constant force post (including the base plate), D-ring.

Annual inspection – the anchor device should be inspected every 12 months by an authorised installer or agent.

1. All of the above checks shall be carried out.
2. Check for deployment of the constant force post. This will be indicated by deployment of the Constant Force post by leaning away from the vertical position. For more severe loading the Constant Force post will be in a horizontal position showing the internal energy absorbing mechanism.
3. Check for signs of modification. The anchor device must not be modified in any way without written consent from the manufacturer.
4. Record this inspection on the record card as described in section 2.

If the anchor device is damaged, do not attempt repair. Contact your authorised installer or agent for further advice. If there is any doubt about the safe condition of the anchor device, it shall be withdrawn from service. This shall be recorded on the record card. Contact your authorised installer or agent for further advice.

### Maintenance

1. Dealing with any defects found during inspection before use and annual inspection.
2. Dismantling and cleaning may be required particularly if algae has formed on the base segments. Clean the segments using clean water of domestic quality (up to 40°C). If required it may be washed in a domestic grade detergent. All parts should be thoroughly rinsed and dried before re-assembly.

### Storage

1. The anchor device should be stored away from direct heat, high humidity, sharp edges, corrosives or other foreseeable causes of damage. The equipment should not be subjected to unnecessary stress, pressure or rough handling. Wet equipment should be dried naturally away from direct heat.
2. During storage, all equipment should be kept away from contaminants such as acids, alkalis, oils and grease.

## 11. Certification

After completing the above checks, the anchor device certification can be issued.

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