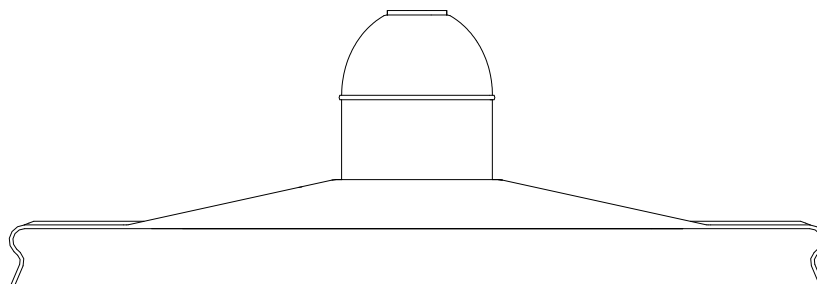
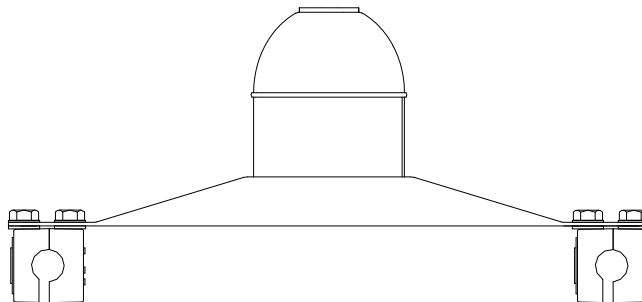
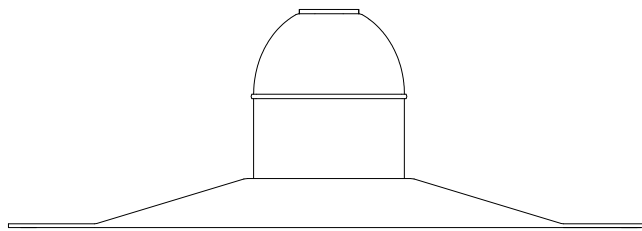
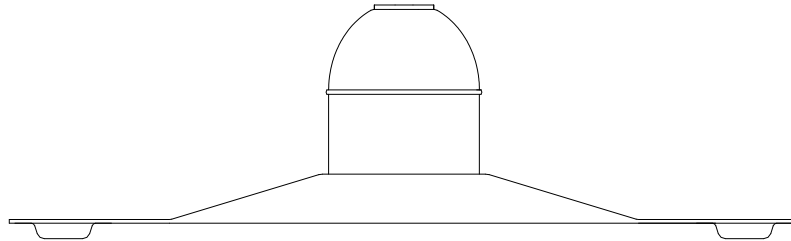
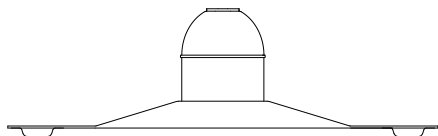


## Latchways Solar Panel Support Posts



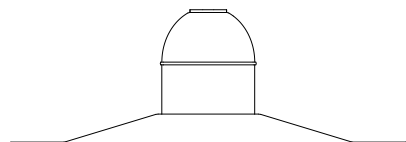
|                       |               |          |                      |
|-----------------------|---------------|----------|----------------------|
| Datasheet No 47000_98 | DAR No.: 3320 | Issue: 1 | Issue Date: 22.03.10 |
| Approved: T.Bissett   |               |          | Sheet 1 of 3         |

## Solar Panel Support Posts for Membrane Roofing



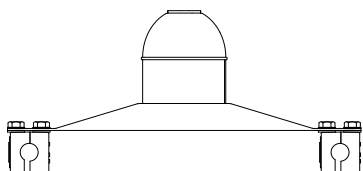
| Part no  | Description              |
|----------|--------------------------|
| 47000-00 | Single Ply PVC Post      |
| 47001-00 | Single Ply Talisman Post |
| 47002-00 | Bituminous Post          |
| 47003-00 | Protan Light Boot        |
| 47004-00 | Protan Dark Boot         |

## Solar Panel Support Posts for composite / BUOS Roofing



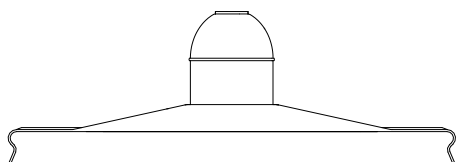
| Part no  | Description |
|----------|-------------|
| 47010-00 | 250 x 333   |
| 47011-00 | 333 x 400   |

## Solar Panel Support Posts for Standing Seam Roofing



| Part no  | Description     |
|----------|-----------------|
| 47020-00 | 333 x 305 x 400 |

## Solar Panel Support Posts for secret fix Roofing



| Part no  | Description     |
|----------|-----------------|
| 47030-00 | Speed Deck Roof |

|                       |               |          |                      |
|-----------------------|---------------|----------|----------------------|
| Datasheet No 47000_98 | DAR No.: 3320 | Issue: 1 | Issue Date: 22.03.10 |
| Approved: T.Bissett   |               |          | Sheet 2 of 3         |

## Materials

|                    |  |
|--------------------|--|
| Base Plate         | Aluminium,                             |
| Insulating Ring    | Glass Filled Nylon 66.                 |
| Tube               | Aluminium                              |
| Dome               | 316s Stainless Steel, Electro Polished |
| Overload Assembly  | 316s Stainless Steel                   |
| Nuts & Bolts       | Marine Grade A4 Stainless Steel        |
| Insulating Washers | Nylon 66                               |

## Strength

|                               |       |
|-------------------------------|-------|
| Tensile load per post         | 2.5kN |
| Compressive strength per post | 2.5kN |

## Quality control

100% visual inspection on all critical items  
100% inspection gauging  
100% visual inspection of sub and final assemblies  
Batch conformance tested to ultimate strength

## Notes

Each Solar Panel Post is supplied complete with an insulating washer to be installed between the top of the Solar Panel Post and the solar panel framework to separate dissimilar materials.

For installation instructions for each of the Solar Panel Post variations, refer to the installation instructions relating to the Constant Force post of the same type, e.g. for installing post 47000-00 PVC Solar Panel Post refer to installation instructions 65616-99.

The number of Solar Panel Posts required for any installation will be determined by 2 factors,

Firstly, determine the number of Solar Panel Posts required based on the wind load calculated for the panels in relation to the maximum tensile load per Solar Panel Post of 2.5kN, e.g. if the calculated up lift is 20kN, a minimum of 8 Solar Panel Post must be used to mount the solar panel framework.

Secondly, determine the number of Solar Panel Posts required based on the total weight of the solar panels and framework in relation to the compressive strength per Solar Panel Post of 2.5kN, e.g. if the framework and solar panels have a total weight 1000kg (therefore will apply a downward force of 10kN) then a minimum of 4 post must be used to mount the solar panels and framework.

If the above two calculations result in a different number of Solar Panel Posts being required the higher number should be used.

It is the responsibility of the clients' structural engineer to undertake the necessary calculations to ensure the integrity of the overall construction for each installation including the required number of posts.

The Solar Panel Posts are not suitable for the attachment of Personal Protection Equipment (PPE). Where maintenance access is required it is recommended that a Latchways ManSafe® system be installed by a Latchways Registered Installer.

|                       |               |          |                      |
|-----------------------|---------------|----------|----------------------|
| Datasheet No 47000_98 | DAR No.: 3320 | Issue: 1 | Issue Date: 22.03.10 |
| Approved: T.Bissett   |               |          | Sheet 3 of 3         |