

Suggested Ballast.

For the ballast to be used with the R type structure kit, it is suggested that you use high density concrete blocks 440x215x100mm (17-18kg).



Wickes part No. 166860

Travis Perkins Part No. 700064

Please consult a local civil engineer to determine the number of blocks required per module.

The structure itself should require little maintenance, but it is a good idea to check that all the fasteners including the fixing screws are all in place and firmly tightened down. Clean the face of the module periodically with a damp cloth. DO NOT use detergents.

All BDS products are available via our stockings within the UK

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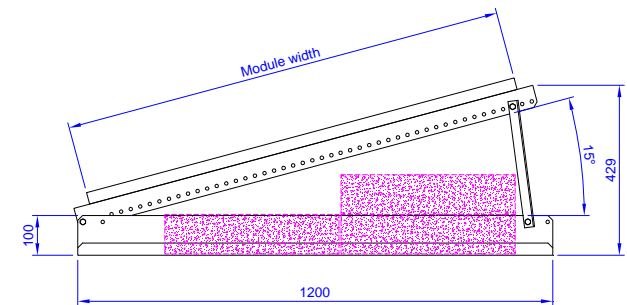
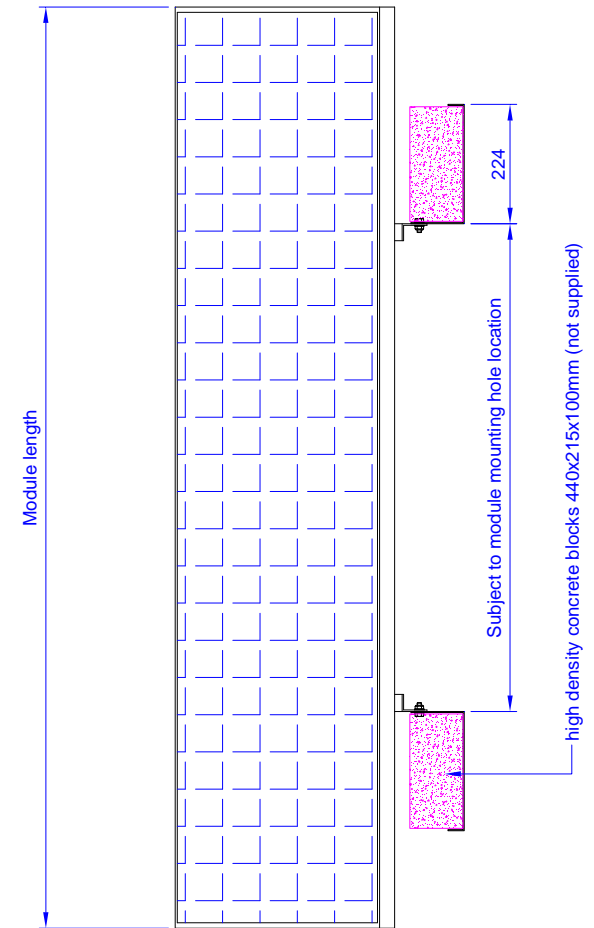
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R Type Single Module Ballast Structure Kit

Installation & Users Manual



**Manufactured in
the UK**



Thank you for purchasing this R Type single module ballast structure kit. The kit is designed for mounting any solar panel with a width of 800mm to 1200mm using the rear mounting holes on the panel and is supplied complete with A4-70 stainless steel fasteners for module with either M6 or M8 fixing holes. The main aluminium components are supplied with plastic coating to prevent scratching, this should be removed prior to assembly.

Before starting to assemble the kit, please ensure that all the components are in the kit as per the parts list shown below:-

Item	Description	QTY
1	Module rail	2
2	Ballast plate	2
3	Rear strut	2
4	M6 x 16 hex set screw Stainless steel	4
5	M6 Nyloc Nut	4
6	M6 Washer	4
7	M6 Penny Washer	4
8	M8 x 20 hex set screw Stainless steel	10
9	M8 Nyloc Nut	10
10	M 8 Washer	20

Assembly Procedure.

1. Lay the solar panel face down onto a flat clean surface and attach the module rails centrally to the back of the solar panel using the M6 fasteners for module with M6 mounting holes or the M8 fasteners for modules with M8 mounting holes. These are mounted to the rear of the solar panel using the slots on the narrow part of the angles, don't forget to use the large M6 penny washers when using the M6 fasteners.
2. Attach the large ballast plates to the first mounting hole on the module rail at the front, then using the M8 fasteners provided fit the rear strut as shown to the third hole from the end of the module rail and the inner most hole on the back of the ballast tray. Repeat this process for the other side of the panel.
3. Tighten all fasteners and rotate the assemble so that the module can be places facing south onto a flat surface with the ballast trays lying flat onto the surface, once the module is placed correctly place your ballast blocks (see rear page of this manual for details) onto the ballast trays. It is recommended that a minimum of 4 blocks are used per module but 6 is recommended for more exposed sites.



M6 Module fixing with penny washer



M8 module fixing



Front fixing



Rear strut fixing

