Technical Data Sheet

Soffit Restraint



Soffit Restraint

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Technical data

The ACS Soffit Restraint is used to restrain the head of internal walls or the internal leaf of a cavity wall. Two angles clamp together over the block at the head of the wall. They are then bolted to the underside of the structure. The product is suitable for block sizes of 100mm, 140mm, and 215mm with a maximum gap between the soffit and block of 50mm.



Product highlights

- **Austenitic stainless steel** (Grade 304)
- **Allows vertical movement**
- **Provides lateral restraint**
- **Allows for gaps up to 50mm**

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Design Resistances

The below tables should be used to ascertain design resistance at differing vertical gaps and block sizes.

100mm block	Offset – Top of Block to Structure	
	25mm	50mm
Individual	1071 N	586 N
900mm centres	1190 N/m	652 N/m
600mm centres	1786 N/m	977 N/m
450mm centres	2381 N/m	1303 N/m

140mm block	Offset – Top of Block to Structure	
	25mm	50mm
Individual	1071 N	478 N
900mm centres	1190 N/m	532 N/m
600mm centres	1786 N/m	797 N/m
450mm centres	2381 N/m	1063 N/m

215mm block	Offset – Top of Block to Structure	
	25mm	50mm
Individual	1071 N	356 N
900mm centres	1190 N/m	395 N/m
600mm centres	1786 N/m	593 N/m
450mm centres	2381 N/m	790 N/m

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Installation

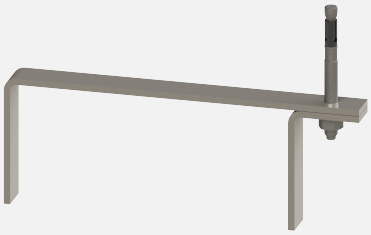
When using the SR100/140, the top section of the ACS Soffit Restraint contains two holes to allow for either a 100mm or a 140mm block. The SR215 comes with a single hole in the top section. The bottom leg on both sizes contains a slot to allow for fine adjustment. The holes allow for an M10 expansion anchor to be installed into the concrete soffit. For information on fixing capacities as well as figures such as minimum edge distances, please refer to the fixing datasheet.

The product allows for a gap of up to 50mm between top of blockwork and the soffit. Fixing centres can be selected based upon design resistances found within this datasheet

SR100/140



SR215



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