

# The Worlds Most Accurate Screed Rail System

Acra Screed Ltd,  
Pendle View Farm, Skipton, North Yorkshire, BD23 4SJ  
t: +44 1729 840000 - f: +44 1729 840033 -  
[info@acrascreed.com](mailto:info@acrascreed.com)  
[www.acrascreed.com](http://www.acrascreed.com)



Acra Screed is a Patented Product

## Acra Screed Base Block Ground System



### Product Overview

The Acra Screed Base Block Ground System, is an Adjustable Screed Rail system to assist in the accurate placement of concrete to defined levels and is suitable for level and multiple cross fall applications. The strength and stability of the system accommodates power screeds.

One unit is made up of 4 Components.

### Component 1 - The Base Block

A dual purpose system, the Base Block acts as the Screed Rail support foundation and bottom rebar support. The E shape of the Base Block allows it to be turned at 90 degree intervals in order to give 4 different cover heights for the rebar:

40 mm



50 mm



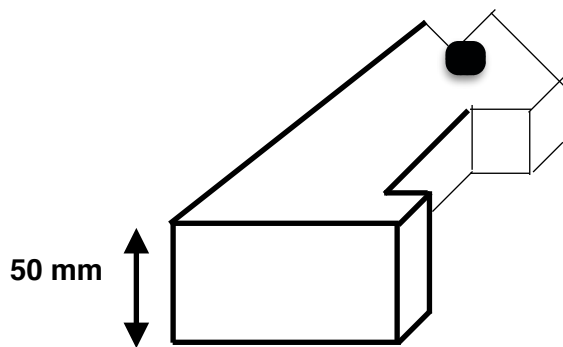
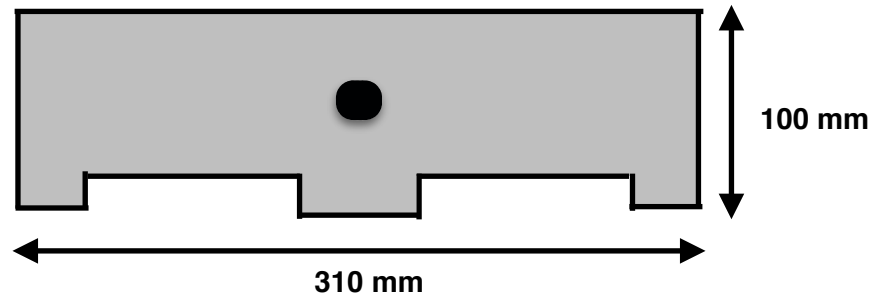
75 mm



100 mm



## Base Block dimensions



Please see Material Spec sheet for Base Block below.

## Component 2 - The Stud Connector

The Base Block as can be seen in the images above, has an insert hole in each of its 4 sides. This is to accommodate the Stud Connector, from which the Rail support is threaded into.



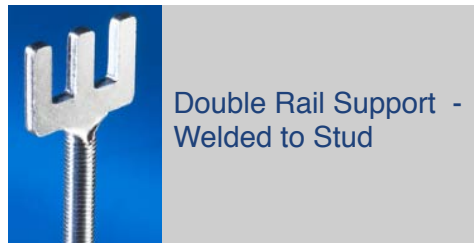
Stud Connector: See Material Spec section.

## Component 3 - The Rail Support

### Rail Support Head Variations



Single Rail Support -  
Welded to Stud



Double Rail Support -  
Welded to Stud



The New Rail Support heads - Single and Double heads are connected to a round stud connector. The benefits of this new system is that any length of 10mm Stud can now be connected into the Rail Support, which in turn gives the user greater flexibility and no unnecessary waste.

The New Rail Support heads are only suitable for slabs of 200mm in depth upwards.



Single Rail Support Head showing insert for stud. 10mm Stud shown to the right.

Stock carried as standard for slabs up to 300mm. Pre order required for depths above 300mm. For deep slab work we use a 12mm Stud and Rail support head to suit.



The Rail Support examples given above accommodate 8mm x 40mm and 8mm x 50mm Rail. A further head is available to accommodate a 12mm x 30mm Rail when required. Please note that the 12mm Rail supports are made to order.

The Rail Support will give an adjustment range, in general of 50mm, 25mm either side of finished level. This can then be tweaked to within half a millimetre of the required level.

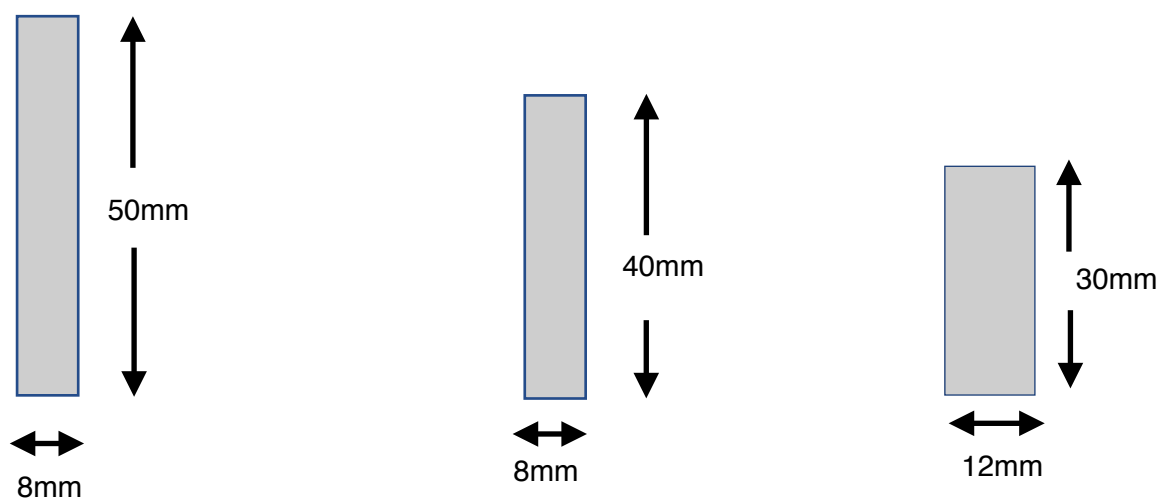
When using the Base Block System the minimum concrete depth is 90mm, the maximum depth supplied to date was 1.6 metres, using a hand tamp.

The Double rail support is used where two lengths of rail meet - the rail comes in standard lengths of 6 metres, therefore a Double rail Support is required every 6 metres.

## Component 4 - The Rail

### Rail Sizes

The Rail is placed into the rail support



Rail variations given above. The Rail is reusable. Above photograph gives example of a rail been moved during concrete pour to new position into pre set Rail Supports.

Rail Supports for 8mm Rail carried as standard stock.

Rail Supports for 12mm Rail manufactured to order.

## Installation Recommendations

Acra Screed recommends that one unit is positioned every meter along the screed rail line. To make the concrete pour comfortable for those laying the concrete, Acra Screed recommends positioning the Screed Rail - 400mm less than the power screed or hand tamp to be used.

For example a 4.2 meter Roller Striker - screed rail positioned every 3.8 meters apart, allowing 200mm overhang either side of the screed rail.

On the home page of the Acra Screed web site [www.acrascreed.com](http://www.acrascreed.com) there are two videos. The bottom video shows the Acra Screed system been set up, the top video shows a concrete pour. Watching this video is highly recommended for those new to the product.

As Standard, a set up information sheet is supplied with all orders. The system is very straightforward and easy to set up, as can be seen in the videos.

Acra Screed offer exceptional back up and technical support should you have any questions.

## Material Specifications

Component	Material	Additional Information	By Request
<b>Base Block</b>	C45 OPC Cement reinforced with 4 self colour steel wires. Full cure time 28 days minimum prior to dispatch.	Unofficial test carried out: 6 meter run -150mm depth - no structural damage to base block or components at 2.8 ton.	A greater strength of concrete can be accommodated if required.
<b>Stud Connector</b>	BZP Hexagon internally threaded rod studding connector M10 (10mm) internal thread x 30mm long.		
<b>Rail Supports</b>	S275 BS EN 10025.S275 - Bright zinc plated or Self coloured.	Precision cut by Laser	Rail Support head type
<b>Stud</b>	Grade 4.8 Mild Steel metric fine (1.25mm)	Various lengths	Depth required

Component	Material	Additional Information	By Request
<b>Rail</b>	Black flat rail BSEN 10025-2:2004 S275JR	30mm x 12mm 40mm x 8mm 50mm x 8mm	

The information provided within this data sheet is approximate. Acra Screed Ltd reserves the right to amend this data sheet at any time. For further details, please contact Acra Screed Ltd  
Acra Screed Ltd is a registered company in England & Wales - No 5582982