Displacement Crack Monitor
**Taking Readings:**
Slide the ruler into the slot in the top plate until it fits into the raised panel on the bottom plate.

**Displacement Monitoring:** Where the red line on the ruler projects from the top plate take a reading and mark the results below.

**Horizontal Monitoring:** Where the red line at the center of the ruler coincides with the black scale on the top plate, take a reading off the black scale and mark the results below.

<table>
<thead>
<tr>
<th>Location of Monitor</th>
<th>Project</th>
<th>Date of Reading</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Black Scale on the Top Plate)</td>
<td>(Red Scale on the Ruler)</td>
<td>Displacement Movement</td>
</tr>
</tbody>
</table>

**Taking Readings:**
Slide the ruler into the slot in the top plate until it fits into the raised panel on the bottom plate.
Displacement Crack Monitors measure displacement (out of plane) and horizontal movement across a crack.

The Displacement Crack Monitor consists of three components: a graduated ruler, a top plate (calibrated) and a bottom plate (not calibrated). It is only the top and bottom plate that are fixed across a crack. The ruler is not left on the gauge, but is only used when taking readings.

**Fixing Instructions**

1. Align the bottom plate parallel to the crack and fix with screws and rawlplugs (size 6) and adhesive (figure 1).
2. Align the top plate on the other side of the crack at 90° to the bottom plate and fix with screws and rawlplugs (size 6) and adhesive (figure 2).