

A Step by Step Guide To Using Bullers Rings and Discs



Step 1

First select the appropriate Bullers Ring / Disc to suit your firing. Please refer to data sheet. 'How To Select Bullers Rings and Discs'.

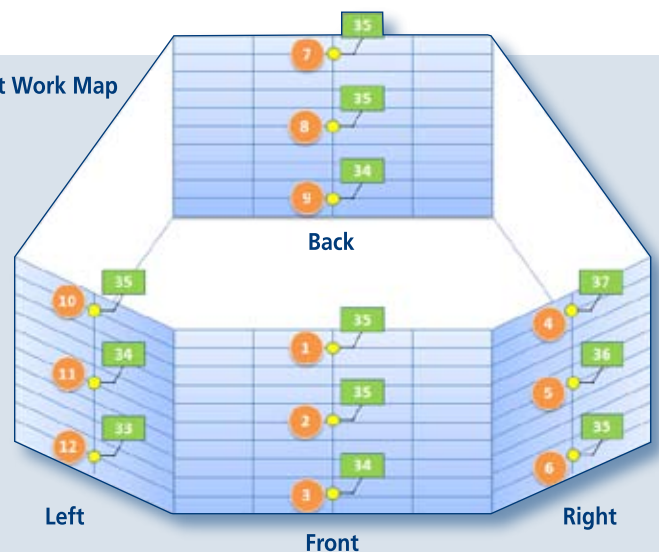
Remove the Bullers Rings / Discs from the box. The batch number is clearly displayed on the outer packaging and this should be recorded for reference.



Kiln Car Heat Work Map

Step 2

Position the Bullers Rings onto the kiln in accordance with a predetermined plan. (A typical example is shown). Mark the position numbers onto the Bullers Rings for the purpose of mapping the kiln firing, and detail this onto the kiln record sheet.



NB: Subsequent deliveries of Bullers Rings and Discs of a different batch number should first be calibrated with those from any previous batch number. Please refer to Data Sheet 'How to Calibrate Bullers Rings and Discs'.

the most reliable means of measuring "heat work" in high temperature kilns

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Step 3

Once the kiln firing has taken place and the rings have reached ambient temperature, measure the rings using either the Vector Gauge, or the traditional TR100 long life Index Gauge (shown below). Bullers Discs however can be measured with either a Bullers Discs Gauge or a Vernier as shown above.

In the case of the Vector Gauge, insert the ring between the two converging guide rails and take the reading from the top of the disc against the engraved scale (shown opposite).

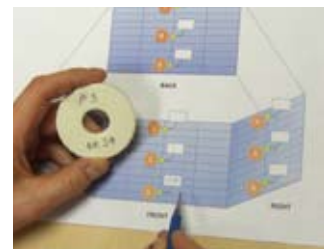


When using the traditional TR100 long life Index Gauge (below), ensure that the ring is in contact with both guide posts and that the arm of the gauge is just touching the edge of the ring. The pointer will then indicate the ring value. In either case, the ring should be rotated through 90° and an average of 4 readings should be taken.



Step 4

Record the ring / disc number on to the kiln record sheets and compare against previous data. Please refer to ‘How To Interpret the Results of Bullers Rings and Discs’.



Please note check rings are available to enable customers to calibrate their own Index Gauge.