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What does a Bullers Ring or Disc do?

the world famous **Bullers Rings...** measuring **"heat work"** within kiln environments

Total Kiln Firing Confidence

- **'Bullers Rings'** provide an independent, accurate and measurable means of assessing the **'heat work'** performance within kilns.
- Like the **"fired products themselves"**, the rings react to the effects of **'time and temperature'**, the combined effects of which produce a **"measurable and defined shrinkage in the ring"**.
- This shrinkage can be accurately measured on a gauge to determine the heat treatment to which it has been subjected, and which is shown by a single definable **'Bullers Ring'** number.

Bullers Rings do not measure temperature, but are reacting to the combined effect of:

1. **Temperature**
2. **Rate of temperature rise**
3. **The amount of time at a specific temperature**
4. **Effect of kiln atmosphere**
5. **Kiln loading density**

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Why use Bullers Rings and Discs?

- They cover a wide temperature range between **750°C - 1770°C**

- They can be used to improve the consistency of your **kiln performance** - they allow you to measure and control **"heat work"** not just temperature.

- They improve **yields** and **profit** by providing a consistent and reliable measure of the application of **"heat work"** to enable accurate kiln and burner control.

- They allow you to **"measure, control** and **monitor"** the amount of **"heat over time"** that is applied to your product.

- Without the **"Bullers Ring"** or **"Bullers Disc"** data, you have no idea how the critical effect of **"heat over time"** has affected your valuable product!

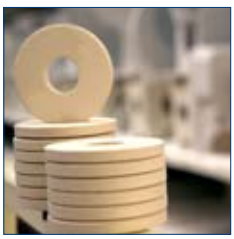
- It allows you to measure and monitor **'kiln uniformity'** anywhere on the kiln, a vital parameter when **troubleshooting** kiln firing parameters.

- **Reduce loss** and **rework** by measuring the **"heat work consistency"** of your firings.

- When firing the same product in a **different kiln** the use of Bullers Rings or Discs helps you to map the **heat work** "**anywhere** on the kiln", vital for **inter - kiln** manufacturing programs.

- **Can you afford not to measure "heat work"?**

can you afford not to measure **"heat work"?**

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