The Radiac ADVANTAGE

**MULITPLE ABRASIVE MIXTURES**
- Suited for a wide variety of applications
- Tiered levels of cost and performance
- Improved performance on difficult materials

**BOND TECHNOLOGY**
- Superior grade consistency
- Does not alter abrasive structure
- Designed for maximum abrasive performance

**STANDARD STOCK AVAILABILITY**
- Reduced inventory cost
- Immediate availability
- Popular specifications readily available
- Lower order quantity

**LEAD TIMES**
- Consistent on time delivery
- Shortest lead times in industry
- Lower stocking levels

**SUPERIOR WHEEL QUALITY**
- Exceptional grinding performance
- Reduced costs
- Consistent part quality

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**Performance Guarantee**

We believe that Radiac Grinding Wheels will give you performance and cost savings exceeding that provided by the products you are currently using.

If you feel that the Radiac wheels you have purchased are not a better value than the product you are currently using, we will give you credit based upon the performance received.

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**RADIAC’S DYNAMIC CERAMIC**

**HIGH PERFORMANCE GRINDING PRODUCTS**

Made exclusively with 3M™ Cubitron™ Abrasive Grain 321

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Distributed By

An Authorized Radiac Distributor
Suitable Applications ... Typical applications include those that require cool cutting action to eliminate heat cracks or checks, applications where form holding is critical, or heavy stock removal is needed. Precision operations and high production applications are ideal for High Performance Products containing 3M Cubitron Abrasive Grain 321.

Competition ... In extensive field tests, our products consistently outperformed competitive products containing significantly higher concentrations of ceramic abrasive. This means better performance and greater value for our customers.

Grinding Parameters ... To obtain the best results from any of our ceramic products, faster traverse rates and heavier downfeeds should be used. Dressing of our ceramic products should only be done as often as required to restore the form of the wheel.

<table>
<thead>
<tr>
<th>DIMENSIONS</th>
<th>TYPE</th>
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<table>
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<tr>
<th>Stock Removal Rates Per Pass</th>
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</thead>
<tbody>
<tr>
<td>1/8BW</td>
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<td>1/8BW</td>
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Hardness Selection ... To obtain the best results from any of our ceramic products, faster traverse rates and heavier downfeeds should be used. Dressing of our ceramic products should only be done as often as required to restore the form of the wheel.
### The Radiac Ceramic Advantage

**Advantages...**

- **Cooler Cutting**
- **Better Form Holding**
- **More Aggressive Grinding Action**
- **Longer Wheel Life & Less Dressing**

**Suitable Applications...**

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### Grinding Parameters...

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### Stock Removal Rates Per Pass

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<tr>
<th>Type</th>
<th>Stock Removal Rate</th>
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<tbody>
<tr>
<td>BW/7BW</td>
<td>(0.008 - 0.010)</td>
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<tr>
<td>BP/8BW</td>
<td>(0.005 - 0.008)</td>
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<tr>
<td>BW/7BW</td>
<td>(0.010 - 0.020)</td>
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### Hardness Selection

<table>
<thead>
<tr>
<th>MEDIUM</th>
<th>HARD</th>
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<tr>
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### History

For over a decade, Radiac Abrasives has been producing high-performance grinding products utilizing 3M™ Company’s patented Cubitron™ abrasive grain. During that time, both Radiac and 3M have made great advances in abrasive, bond and process technology.

### Special Formulations

Radiac Abrasives offers high performance wheels containing 3M Cubitron Abrasive Grain 321 blended with either our pink (RAA) or premium white (WW) abrasive in a wide range of standard stock and engineered tool room products. These traditional combinations allow Radiac to produce products with the aggressive grinding characteristics of ceramic abrasive and the friability that white and pink abrasives provide.

More recently, Radiac has designed and tested unique blends of 3M Cubitron Abrasive Grain 321 and other abrasives to achieve unsurpassed customer requirements for stock removal, form and wheel life on various materials including the latest exotic metals and composites. Radiac can also provide 3M Cubitron Abrasive Grain 321 blends in resinoid bonded products specifically designed for use in roll grinding and various other primary metal applications.

### Recommendations...

Our BBP products with a mixture of ceramic grain and pink RAA abrasive is suitable for most standard materials including high nickel alloys, stainless steel, and high carbon or high chrome materials.
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Radiator Abrasives, Inc. 1015 S. College Avenue P.O. Box 1410 Salem, Illinois 62881 Tel: 800-851-1095 • 618-548-4200 Fax: 888-244-8234 • 618-548-4207

www.radiac.com

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