

Wearesistor® and Wearesistor® Low Profile (LP) Tires for Extended Wear Life

Asymmetric design increases life and reduces power requirements

As a leading manufacturer of power generation equipment since 1867, Babcock & Wilcox Power Generation Group, Inc. (B&W PGG) understands the importance of minimizing the operating and maintenance costs of boiler components and auxiliaries.

B&W PGG continually works with its customers to reduce costs associated with pulverizer operation and maintenance. Compliance with environmental regulations dictates that pulverizers run at peak performance. As the leading supplier of low NO_x burners, B&W PGG recognizes the need to analyze and enhance pulverizer performance.

Designed for longer life

In 1994, B&W PGG introduced our patented* Wearesistor® asymmetric tire for the B&W Roll Wheel® pulverizer. Designed for extended service life (results vary with different operating conditions and coal types), the asymmetric Wearesistor tire is available in all roll wheel mill sizes and is compatible with standard wheels (hubs) and existing standard-profile grinding segments.

Our exclusive Wearesistor advantage lies in the redesigned cross section of the tire. It includes additional material in the predictable high-wear area of the profile.

*U.S. Patent No. 5,346,148



The top two tires pictured in the foreground are B&W PGG's Wearesistor LP tires. The low profile geometry can be seen when compared to the other standard tires in the picture. When combined with our low profile segments, this exclusive design significantly extends the operating life of both components.

The next step: reduced power consumption

Further design enhancements led to the introduction of the Wearesistor LP (low profile) tire. This patented, revolutionary new tire combines the extended wear life of B&W PGG's exclusive asymmetric design with a low profile geometry. Field results indicate a reduction of pulverizer power consumption with no reduction in fineness, capacity or turndown.

The Wearesistor LP tire is fully compatible with existing B&W Roll Wheel hubs and ring seats.

Low profile segments

The unique grinding profile of the Wearesistor LP tire requires replacement of the standard profile

grinding segments with low profile segments. These new segments have a significantly greater amount of material and are designed for longer wear life. This additional material, however, means that the segments are thicker and will position the roll wheels and loading frames at a higher elevation inside the mill. As a result, minor modifications to the roll wheel seal air pipes and loading cables are generally required to accommodate the initial set of Wearesistor LP grinding elements installed in a mill.

When your maintenance schedule calls for replacement of tires and segments, B&W PGG's trained field engineering specialists will work closely with you to properly install your Wearesistor LP wear parts.

(Continued on reverse side)

We also do much more than sell parts. Our ability to analyze operations and maintenance practices sets us well above competitors whose core businesses are something other than pulverizers and boilers. This unmatched service is especially critical in today's competitive environment.

Cast to last

B&W PGG is the only remaining boiler equipment manufacturer to own and operate a foundry in the United States. All B&W PGG castings, including the Wearesistor tires and grinding segments, must meet our exacting standards and specifications to deliver the high quality our customers demand and deserve. To ensure product quality and integrity, we employ a full complement of destructive and nondestructive evaluation processes along with a wide range of heat treatment capabilities.

The name you can count on

For more information on how B&W PGG's Wearesistor and Wearesistor LP tires can improve



Designed for extended service life, the Wearesistor asymmetric tire includes additional premium wear material in the high wear areas.

your roll wheel pulverizer performance, contact your nearest sales or field engineering services office. Or, you can call our toll-free customer service line. Representatives are available during business hours for information requests or order placement, and additionally, **24-hour emergency assistance**

is available at 1-800-354-4400. You can also fax us at 330-860-9350. No matter what your need may be, you can count on B&W PGG's commitment to customer satisfaction.

- In the U.S., call 1-800-354-4400
- Outside the U.S., call 330-860-1200
- Fax 330-860-9350

delivering
proven results

www.babcock.com

Babcock & Wilcox Power Generation Group, Inc.

20 S. Van Buren Avenue
Barberton, Ohio 44203 USA
Phone: 330.753.4511
Fax: 330.860.1886

The information contained herein is provided for general information purposes only and is not intended nor to be construed as a warranty, an offer, or any representation of contractual or other legal responsibility.

Wearesistor and *B&W Roll Wheel* are trademarks of Babcock & Wilcox Power Generation Group, Inc.

© 2008 Babcock & Wilcox Power Generation Group, Inc.
All rights reserved.

Babcock & Wilcox Power Generation Group, Inc. is a subsidiary of The Babcock & Wilcox Company (B&W). Established in 1867, B&W is a world leader in providing steam generating and emissions control equipment, nuclear operations and components, and defense program management services.

For more information, or a complete listing of our sales and service offices, call 1-800-BABCOCK (222-2625), send an e-mail to info@babcock.com, or access our Web site.

B&W
power generation group