

# Diamond Power® PowerTrain® Maintenance-free Carriage

The Diamond Power® PowerTrain® maintenance-free carriage from Babcock & Wilcox (B&W) is the industry's most reliable and long-lasting sootblower carriage available today. The PowerTrain carriage offers high-temperature service, without periodic maintenance. It really stands up, even under harsh operating conditions and frequent cycles.



*Instead of oil and grease lubricants, the PowerTrain® carriage uses advanced materials and state-of-the-art load bearing components.*

## Benefits

### **No lubrication maintenance**

Since packing will be your only maintenance item, the PowerTrain carriage also helps to eliminate maintenance cost. There's never a need for lubrication maintenance because the carriage features self-lubricated bearings; at-assembly, lifetime gear-side lubrication; and low-friction, dry-film lubrication on the hub chamber's gear set. Also, since there is no need to add lubricant, the sootblower area can be kept much cleaner ... and safer.

### **Extended service life, fewer required rebuilds**

The PowerTrain carriage offers unparalleled longevity. Extensive testing in the lab and in operating installations worldwide proves it. Even after tens of thousands of cycles under harsh operating conditions, the PowerTrain carriage eliminates the need for periodic lubrication. And, depending on blowing pressure and cycle rate, it typically extends the mean time between required rebuilds beyond 50,000 operations. Even at 20 cycles per day, that's potentially more than seven years of trouble-free operation.

## Reliable operation

Other than normal feed tube packing changes or adjustments (which are external to the carriage), the PowerTrain carriage is designed to require no internal maintenance or lubrication during the warranty period.

## Features

- No oil level to check; no oil to change
- Lubricated-for-life gearbox
- Self-lubricated bearings that withstand steam temperatures above 900F (482C) without the need for oil or grease
- Isolated hub chamber
- Advanced dry-film lubrication on the hub chamber's gear set

*continued* ▶

## Availability

The PowerTrain carriage is available:

- for new equipment,
- as a replacement, or
- as a rebuild for these four-roller models: IK-525R, IK-700R, IK-SD, IK-600 and IK-600 MX; and these two-roller models: IK-525B, IK-545B, IK-700® and IK-555C.

The PowerTrain carriage may be equipped with the usual options for threaded or bolted packing gland, indexing or non-indexing, feed tube size and emergency retract.



### The Babcock & Wilcox Company

20 South Van Buren Avenue  
Barberton, Ohio, U.S.A. 44203  
Phone: +1 484.875.1600

[www.babcock.com](http://www.babcock.com)     

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.

*PowerTrain*, *Diamond Power* and *IK-700* are trademarks of The Babcock & Wilcox Company.



ENERGY | ENVIRONMENTAL

Established in 1867, Babcock & Wilcox is a global leader in advanced energy and environmental technologies and services for the power, industrial and renewable markets.

For more information or to contact us, visit our website at [www.babcock.com](http://www.babcock.com).