

PowerTrain®

maintenance-free carriage

The PowerTrain® maintenance-free carriage from Diamond Power is the industry's best and most reliable. The PowerTrain® carriage offers high-temperature service, without periodic maintenance. It really stands up, even under harsh operating conditions and frequent cycles.

Benefits

No lubrication maintenance — ever

Since packing will be your only maintenance item, the PowerTrain® carriage also eliminates 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, there's never a housekeeping issue.

Extended service life, fewer required rebuilds

The PowerTrain® carriage offers incomparable longevity. Extensive testing both in the lab and in the field 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 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, superior warranty coverage

The PowerTrain® carriage comes with an unparalleled written warranty, for reliable operation without internal



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

maintenance, for three (3) years or 30,000 operational cycles, whichever occurs first. Other than normal feed tube packing changes or adjustments (which are external to the carriage), the PowerTrain® carriage requires 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 900°F (482°C) without the need for oil or grease.
- Isolated hub chamber.
- Advanced dry-film lubrication on the hub chamber's gear set.

Availability

The PowerTrain® carriage is available:

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

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.

**Diamond Power
Specialty Co.**
a Division of Diamond Power International, Inc.

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Diamond Power Specialty Company is a Diamond Power International, Inc. division and a leader in advanced boiler cleaning technology. For over a century: *Trusted for experience. Preferred for performance.*

Diamond Power Specialty Company is located in Lancaster, Ohio, U.S. and has more than 80 field sales, service support, distribution, and manufacturing locations worldwide. For more information, call your Diamond Power International, Inc. representative today or visit www.diamondpower.com.

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