

# ArcGlide™

## Shower Oscillation Bearing System

### The Evolution

The shower bearing—Kadant AES engineers recognize that it is the most fundamental component of any shower oscillation device. A component that must contribute reliability and longevity to produce paper machine efficiency. ArcGlide™, a unique shower bearing, is so durable, maintenance-free, and easy to install that it is the new standard by which all other shower bearings are compared.

### The Concept

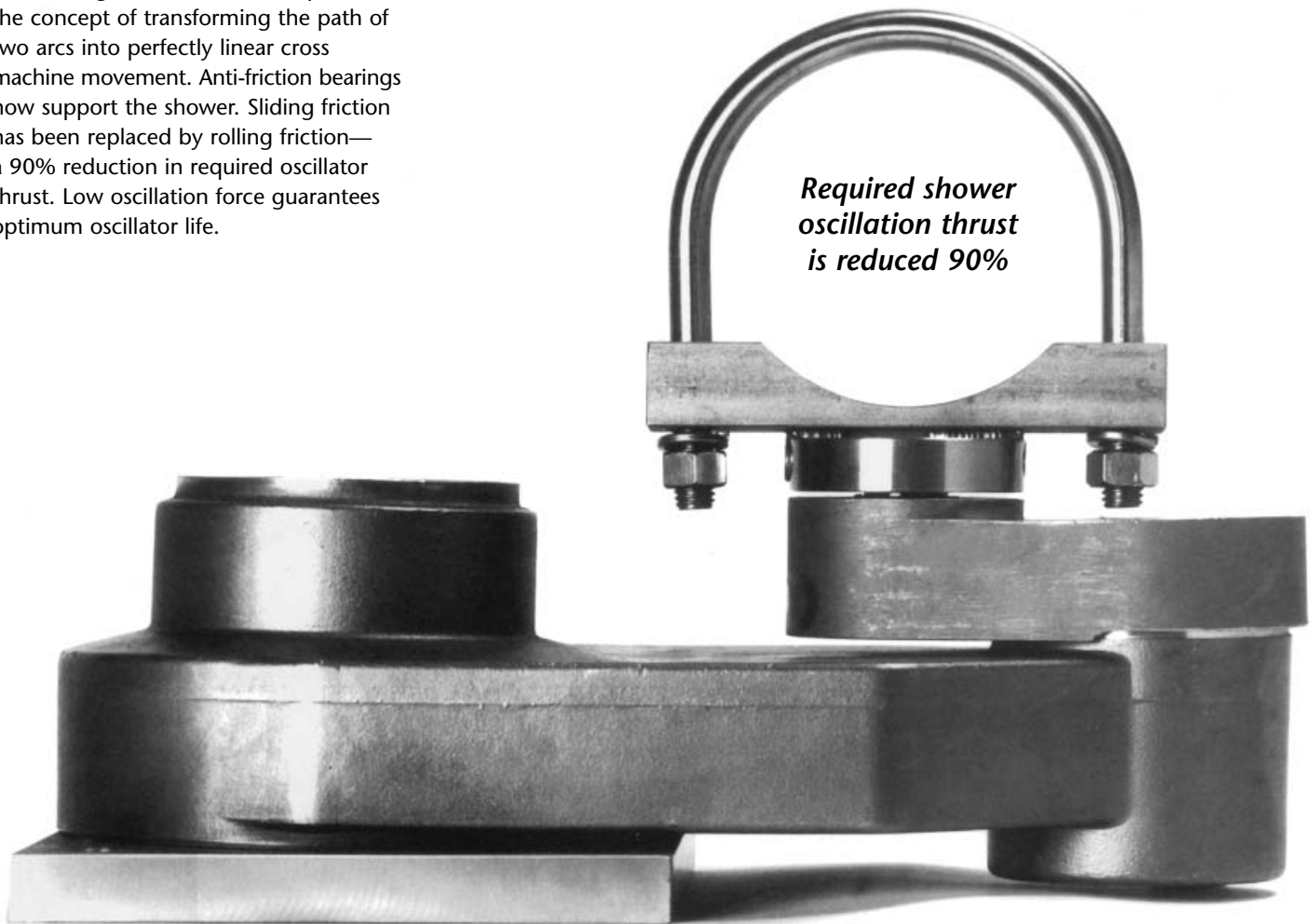
ArcGlide—machine design at its best. Oscillating shower technology has forever been changed. Kadant AES has patented the concept of transforming the path of two arcs into perfectly linear cross machine movement. Anti-friction bearings now support the shower. Sliding friction has been replaced by rolling friction—a 90% reduction in required oscillator thrust. Low oscillation force guarantees optimum oscillator life.

### The Installation

ArcGlide is the most compact and easy to install system available. For new installations or retrofits, ArcGlide just bolts to the machine frame, conserving valuable CD and MD space. Single or double tube showers must only span to ArcGlide's pipe saddles. It's that simple. No need for additional pipe overhang to support an in-line oscillator—no anti-rotation devices or 90 degree water connection. Side loads from the shower pipe and the water hose are not imparted to the oscillator. Oscillator life expectancy increases dramatically with simple, straight-line thrust duty.

### The Warranty

Papermakers demand value for their dollar. ArcGlide is unaffected by papermaking conditions. Housing construction is all 316 stainless steel. All relative motion is contained through reliably sealed rotary joints. There is absolutely no translating linear friction such as pipe sliding in a sleeve bearing. Oversized anti-friction bearings are use throughout.

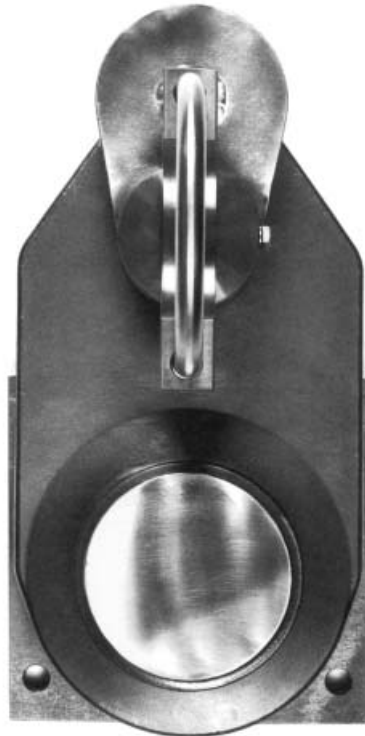


Patented

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AES

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# ArcGlide™ Shower Oscillation Bearing System



## Design Features

- Rolling friction replaces sliding friction.
- Impervious to the papermachine environment. All motion self-contained in reliably sealed rotary joints.
- No external bearings exposed to stock build-up.
- Designed for severe duty: 6" —Sch.40—440" long.
- No anti-rotation accessories needed.
- No pinch points.
- Condition of shower pipe irrelevant.
- No awkward 90° water connections.
- No side loads transferred to oscillator.
- No annual maintenance.

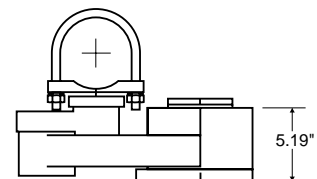
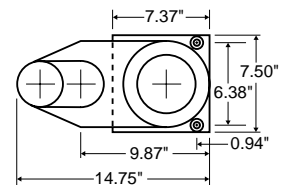
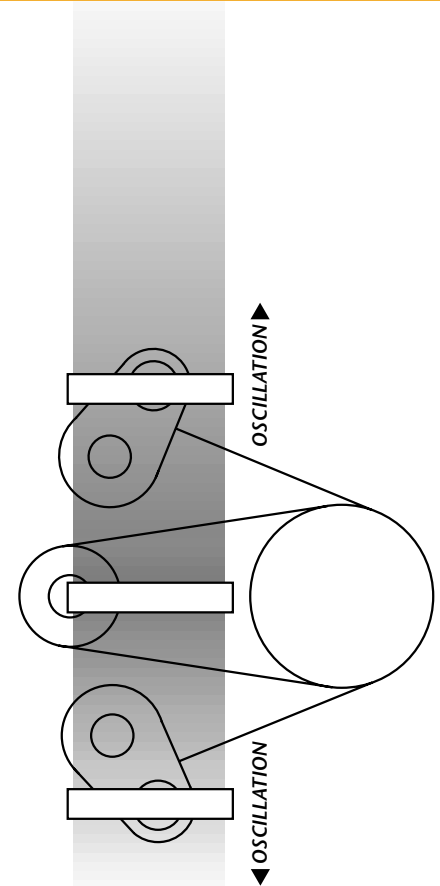
## Construction Benefits

- 316 stainless steel construction.
- Oversized anti-friction bearings.
- 300°F ambient temperature capability.
- Compact size saves CD and MD space.
  - No excessive pipe overhang.
  - Both ends of pipe free to receive water connection.

## Installation Simplicity

- As simple as tightening two bolts.
- Just clamp shower to pipe saddle —no precision alignment required.
- Fits any size pipe, single or double tube construction.
- Simplifies double tube construction.
  - Both pipes oscillate.
  - Outer pipe can be drilled rather than slotted—reduces stock build-up between pipes.
- Inner pipe can be locked to outer pipe—no internal bearings or guiding needed.

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