

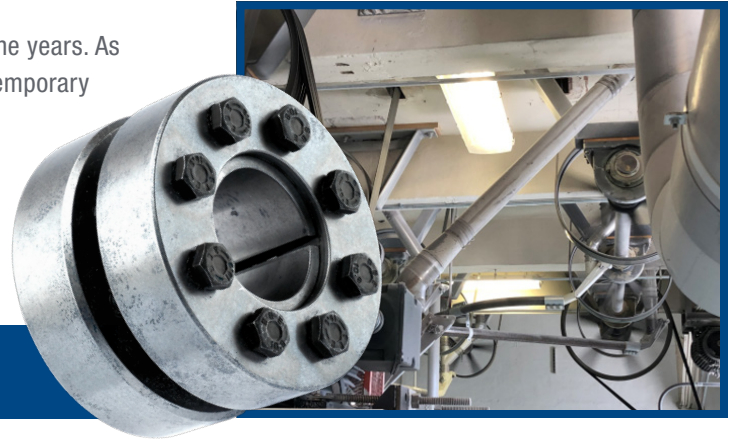
# Keyless, Rigid, Zero Backlash Couplings for the Flour Milling Industry

# B-LOC®

The line shafts that drive a typical milling plant take a beating over the years. As the shafts wear down, the whole operation becomes less efficient. Temporary fixes like shims last only so long. Shaft failure results in unplanned downtime and lost production. But removing the entire shaft for repairs is difficult, labor-intensive, expensive and time-consuming.

**Now there's a better way.**

**Save time and money with Fenner Drives®  
B-LOC® WK Couplings**



## Cut Costs

- Couple shafts together, eliminating keyways or costly shaft replacements
- Save significantly, compared to temporary repair with split pillow block bearing and shim stock
- Reduce downtime to a few hours

## Improve Efficiency

- Avoid temporary repairs like shimming
- Eliminate shaft misalignment, vibration
- Easily replace bearings and pulleys without removing the entire shaft

## Meet Most Needs

- Couple shafts of different sizes
- Accommodate standard shafts catalogued to 4 1/4", custom can be larger (contact technical support)

## Install Easily

- Simply cut damaged shaft sections and insert new ones
- Remove easily (compact, double taper design and self-releasing tapers)

To learn more about Fenner Drives B-LOC WK Couplings, visit [www.fennerdrives.com/wk-couplings](http://www.fennerdrives.com/wk-couplings)

## Success Story – Milling Facility, Western Region

### THE CHALLENGE/SITUATION

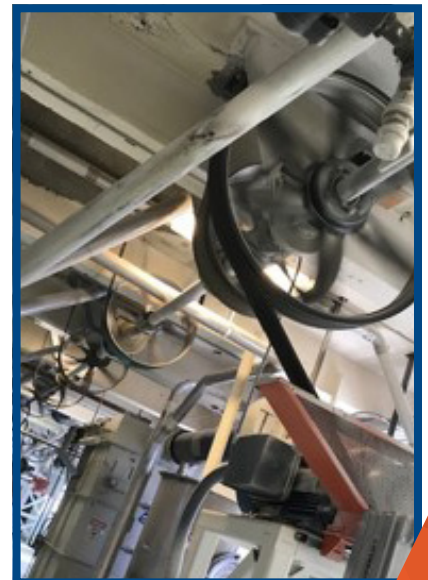
We worked with a milling customer who had 30-foot line shafts, ranging in size from 2 15/16 inches to 4 7/16 inches. The shafts had as many as eight split bearings hanging 15 feet above the floor. Some shafts were so worn the company had to build them up with bronze shim stock to fit into the bearing race. Replacing a shaft would take a team of four to six workers more than two days. Since the shafts are located between the fourth and tenth floors, complete replacement is a safety and logistical challenge.

### THE SOLUTION

After being trained by Fenner Drives personnel, the customer's maintenance team cut out the worn areas of the shafts and installed new sections with Fenner Drives B-LOC WK Couplings at a significant savings of cost and downtime.

### THE RESULTS

The new shafts align perfectly with no vibration. The customer plans to use them to replace other worn shafts in this and other facilities. See cost savings chart for more detail.



# See how much you can save with Fenner Drives® B-LOC® WK Couplings

For our example, we'll use a shaft size of 4 7/16 inches.

	Your Plant	Total Line Shaft Replacement	Temporary repair with split bearings and shims	Line Shaft Section repair with Fenner Drives B-LOC WKs
<b>Equipment Cost</b>				
Cost of split pillow block bearing – 1 @\$5,000			\$5,000	
Cost of pillow block bearing – 1 @\$2,400			\$2,400	
Cost of Fenner Drives B-LOC WK Couplings – 2 @\$1,500 each				\$3,000
Cost of new shaft – 1 @\$2,500		\$2,500		
Millwright cost – 1 @\$5,000		\$5,000		
<b>Equipment Rental</b>				
Crane rental – 1 @\$5,000		\$5,000		
<b>Lost Production Time</b>				
Replacing shaft – 48 hours @\$3,000/hour		\$144,000		
Temporary repair with split bearing and shim stock – 8 hours @\$3,000/lost production per hour			\$24,000	
Fenner Drives B-LOC WK Couplings – 2 hours @\$3,000/hour				\$6,000
<b>Labor Costs</b>				
Replace shaft – 48 hours @\$100/hour		\$4,800		
Temporary repair with split bearing and shim stock – 8 hours @\$100/hour			\$800	
Install Fenner Drives B-LOC WK Couplings – 2 @\$100/hour				\$200
<b>TOTALS</b>		<b>\$161,300</b>	<b>\$32,200</b>	<b>\$9,200</b>

Please note that costs will vary depending on location and extent of required repairs.

## Let us show you how to save.

The experts at BDI know the industry and can help you keep your line shafts working and your mill at full production. Find out more by contacting us at (509) 535-3093.

For more information on Fenner Drives B-LOC WK Couplings, visit [www.fennerdrives.com/wk-couplings](http://www.fennerdrives.com/wk-couplings)



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