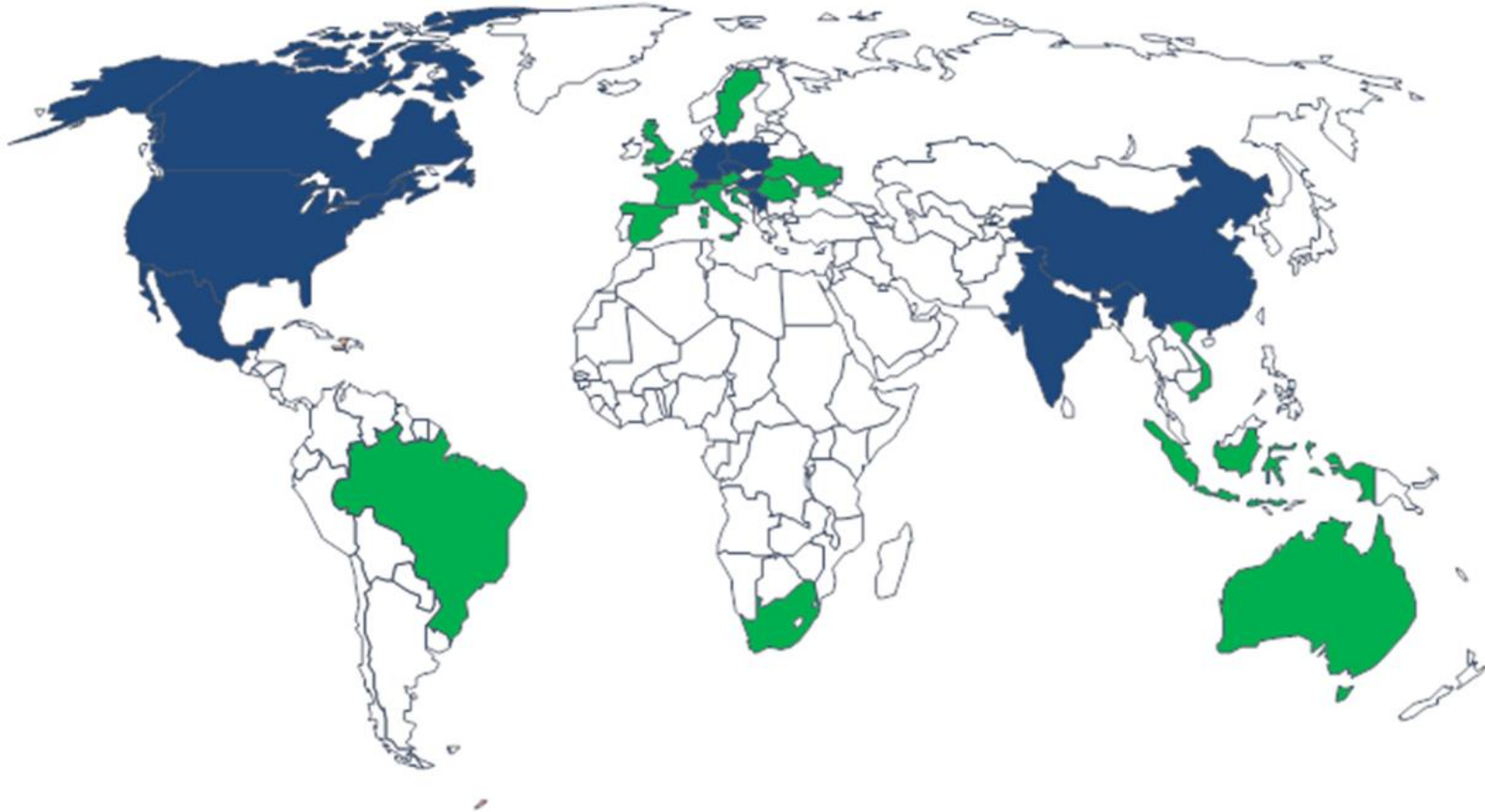


**BDI is a global distributor that bridges innovative solutions and empowered people to provide productivity improvements to our manufacturing and industrial customers.**

- 82 years of Sustained Growth
- Presence in 11 Countries, with 200+ Branches/Locations
- Approximately 1,500 Employees Worldwide
- Value Proposition to Follow the Customer
  - Culturally
  - Technologically
  - Geographically
- Established Bearing and Power Transmission, Fluid Power, Industrial/Safety, and Filtration Disciplines
- ISO 9001:2008



**205** branches  
in **12** countries

**84 branches** within  
the United States

- Current BDI Locations
- Targeted BDI Locations

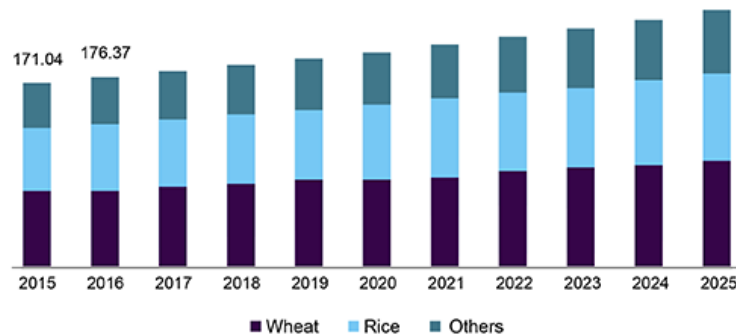


# Milling Industry Analysis

The global grain mill products market size was valued at USD 623.4 billion in 2018

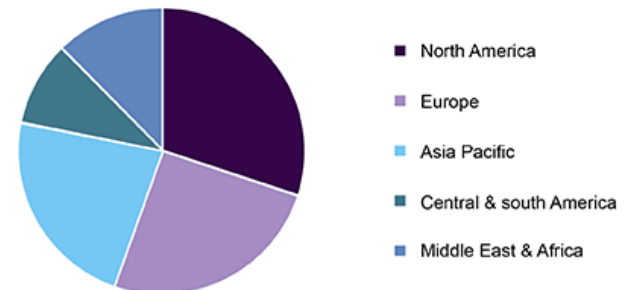
North America held the largest share in 2018 and is expected to generate a revenue of USD 238.2 billion by 2025 and is expected to expand at a CAGR of 3.6% from 2019 to 2025.

North America grain mill products market size, by product, 2015 - 2025 (USD Billion)



Source: www.grandviewresearch.com

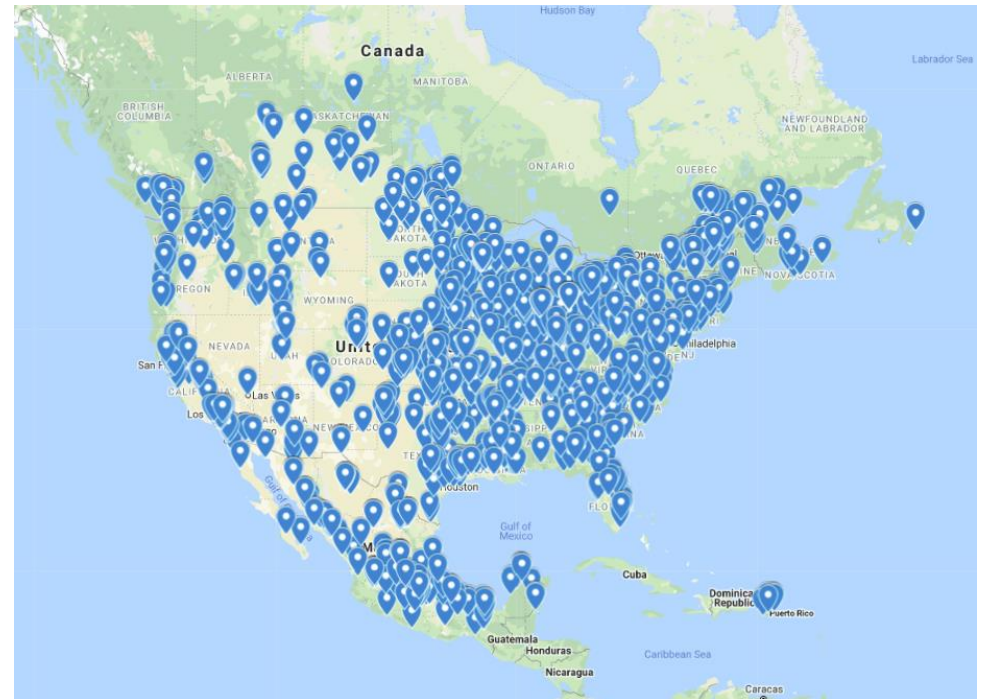
Global grain mill products market share, by region, 2018 (%)



Source: www.grandviewresearch.com

<https://www.grandviewresearch.com/industry-analysis/grain-mill-products-market>

- **Total NA Milling Companies= 2184**
  - **United States= 1354**
    - Wet Corn= 251
    - Flour= 921
    - Rice= 182
  - **Canada= 293**
    - Wet Corn= 20
    - Flour= 253
    - Rice= 20
  - **Mexico= 537**
    - Wet Corn= 128
    - Flour= 389
    - Rice= 20



BDI is one of the five top distributors of PT, Fluid Power, Material Handling, and Mechanical Power Components

## INDUSTRY FOCUS







## Grain Milling Industry

OEM Replacement Parts for the Grain Milling Industry



BDI provides everyday products, solutions, and OEM replacement parts that support your grain milling operations. We stock and source common, standard bearings, belts, and MRO products.

- OEM equivalent bearings and differential belts for grain milling industry.
- Common products in stock.
- Products and knowledge for modern mills and traditional mills.

### Dedicated Industry Support



**Veronica Duran**

*Grain Milling Industry Specialist*

BDI has special pricing discounts in place for grain millers. Contact Veronica to learn more about special pricing.

[Get in touch](#)

**NEED HELP?** 

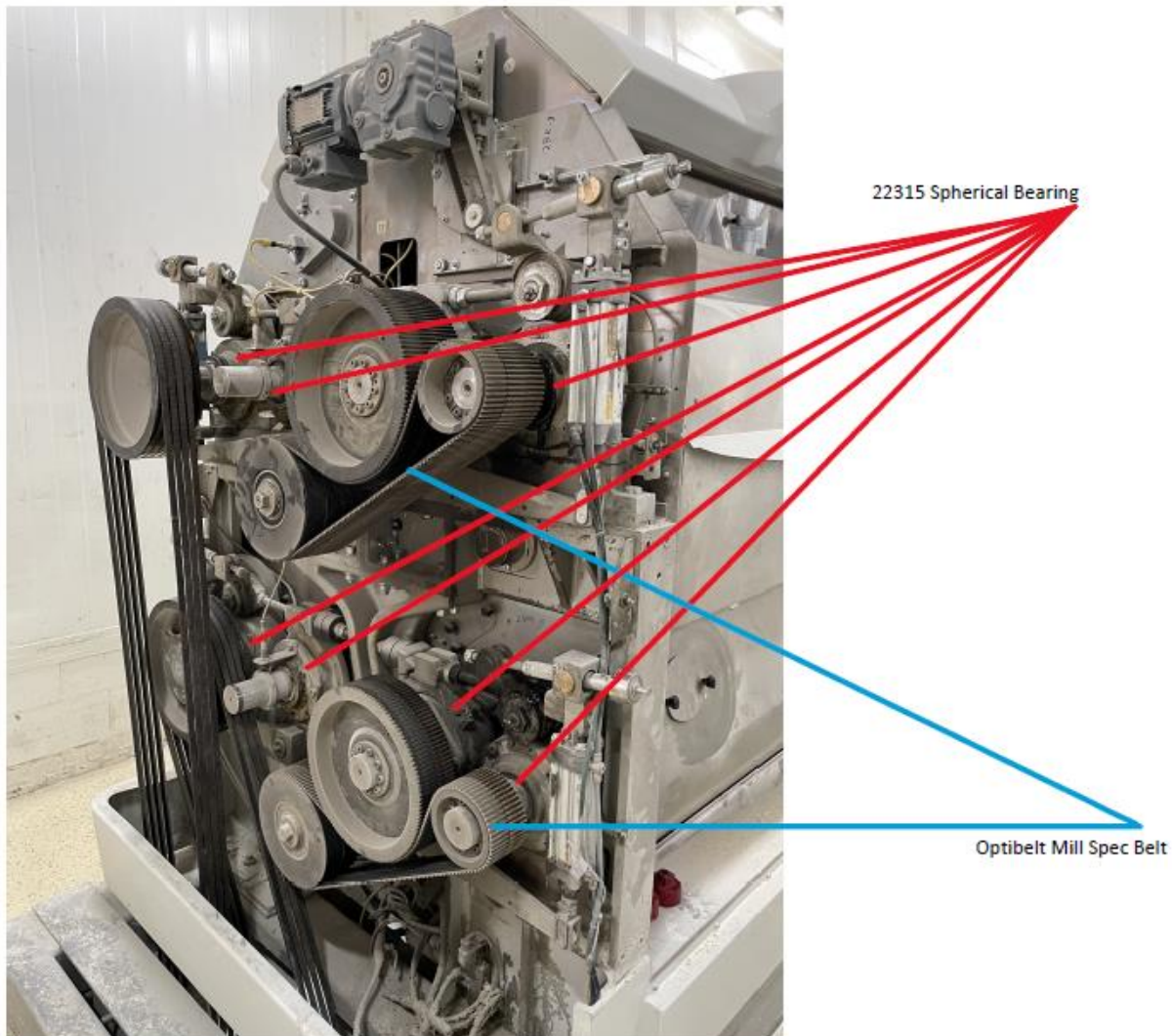
We are here to assist you in finding the right solution.

[LET'S CHAT](#)

LET'S CHAT 



# Modern Mill Machine



## Spherical Roller Bearings

Partners:

**SKF**®

**TIMKEN**

**SCHAEFFLER**

**NACHI**



## Flour Power™ Roller Mill Belts

Specialty belts engineered for automated milling machines.



### Avoid downtime with durable and dependable Flour Power™ roller mill belts.

Roller milling machines are widely used in food-processing. Flour mills run 24 hours a day, seven days a week. Flour Power™ roller mill belts offer efficient and reliable power transmission in a compact drive solution.

Roller mill drive belts are typically dual sided. Most common, are belts with high torque synchronous teeth on one side and v-ribbed grooves on the other. Some are dual sided synchronous or dual sided v-ribbed belts. Flour Power specialty belts are designed for optimum performance and drive life while reducing maintenance and downtime.



www.TimkenBelts.com



## Flour Power Roller Mill Belts

### Features/Advantages

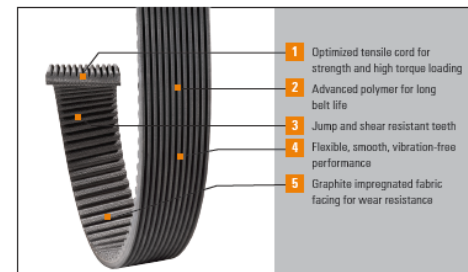
- High performance advanced polymer compound for long belt life
- Optimized tensile cord for strength and high torque loading
- Graphite impregnated fabric facing for improved wear resistance
- Jump and shear resistant belt teeth
- Efficient and consistent power transfer
- Heat, abrasion and wear resistant
- Flexible, vibration-free performance
- Durable and dependable
- Available in matched sets
- Manufactured in ISO 9001:2015 facilities
- Made in USA

### Market

- Food processing industry

### Application

- Flour roller mill machines
  - Roller milling is a process used to separate the parts of grain and then grind into flour
  - The rollers rotate at different speeds and in the opposite direction so that the material is sheared as it passes through the gap
  - Many flour mill machines use a belt with high torque synchronous teeth on one side and v-ribbed grooves on the other
  - Some machines require a belt that is v-ribbed or synchronous on both sides



### Sizes

- Available in 8M and 14M synchronous on one side and v-ribbed on the other
- Dual sided synchronous and dual sided v-ribbed belts are also available
- Part number examples:
  - 1552-8M-PK16
  - 1552-8M-PK32
  - 1760-8M-PK12
  - 1760-8M-PK36
  - 2400-8M-PK12
  - 2400-8M-PK36
  - 1778-14M-PK12
  - 1765PVL220
  - Other sizes available upon request

### Matched Sets

- Belts can be ordered in matched sets
  - Add a dash and the number of belts needed to the end of the part number
- Part number explanation
  - 1760-8M-PK12-3
    - 1760 – pitch length in millimeters
    - 8M – tooth pitch
    - PK – v-ribbed K profile
    - 12 – number of ribs
    - 3 – 3 matched belts

Timken Belts also offers a comprehensive line of premium replacement belts for various types of machinery used in food and beverage production.



# TIMKEN

The Timken team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets high-performance mechanical components, including bearings, gears, chain, belts, couplings, and related mechanical power transmission products and services.

**Stronger. By Design.**

www.TimkenBelts.com





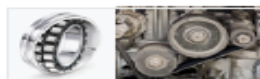
## FLOUR MILLING SOLUTIONS ROLLER MILLS

### CRITICAL SPARES AVAILABILITY & SUPPORT

BDI provides local support and inventory of OEM matched parts for your roller mills. We offer competitive pricing on these everyday products in addition to high quality lower cost alternatives if needed. Reduce your stock by allowing BDI to source and maintain these critical items to keep your operations up and running.



#### OEM EQUIVALENT Bearings, Drive Belts & Sheaves



Specialized to meet the demands of your equipment in all of the popular sizes, series and brands. Providing 1 to 1 equivalents for roller mill manufacturers such as *Buhler*, *Ocrim*, *Omas*, *Ugur*, etc. All with competitive pricing and confidence of local inventory and support.

- LOWER YOUR INVENTORY
- COMPARABLE PRICING
- QUICK DELIVERY SERVICE
- LOCAL EXPERTISE SUPPORT
- DEDICATED INVENTORY AVAILABLE



#### COMMON READILY AVAILABLE PARTS INCLUDE, BUT NOT LIMITED TO:

##### Self-Aligning Roller Bearings

- 22308      • 22312
- 22309      • 22313
- 22310      • 22314
- 22311      • 22315

##### Differential Drive Belts

- 1552-8M-PK16      • 2400-8M-PK12
- 1552-8M-PK32      • 2400-8M-PK36
- 1760-8M-PK12      • 1778-14M-PK12
- 1760-8M-PK36      • 1765PVL22D







## EXPERIENCE A LOWER TOTAL COST OF OWNERSHIP

BDI provides everyday products solutions that support your flour milling operations. We stock and source common, standard industry products



### 22215K SRB Bearings

Lower Operating Temps  
Tough Protection  
Optimized Uptime  
Minimized Wear  
Improved Lube Film  
Higher Load Capacity



### Flour Roll Mill Belts

1552-8M-PK16  
1552-8M-PK32  
1760-8M-PK12  
1760-8M-PK36  
2400-8M-PK12  
1778-14M-PK12  
1765PVL22D



### Flour Milling Cartridge Bearing

Improved Sealing  
QM V Locking Style



### Electric Motors

Explosion Proof  
Cast Iron Frame



### Fenner B-LOC Coupling

Cut damaged shaft section(s) and easily patch in new ones.

Couple shafts together eliminating need for keyway. Can be installed over an existing keyway.

*Shafting will twist before the connection fails when properly installed*

For more info, please contact your local BDI branch.



## Turn to us to improve your uptime!



Bearings



Mechanical Power Transmission



Electrical



Motors & Drives



Sprockets & Chains



Hydraulic & Pneumatic



Material Handling



Chemicals



Linear Motion



O-Rings & Seals



Retaining & Locking Devices



Industrial & Safety

**BDIExpress.com**



## Keyless, Rigid, Zero Backlash Couplings for the Food 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: ADM Spokane Trent Facility

#### THE CHALLENGE/SITUATION

The ADM milling facility in Spokane, WA has 30-foot line shafts, ranging in size from 2 1/4 inches to 4 1/4 inches. The shafts have 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, ADM's maintenance people 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. ADM plans to use them to replace other worn shafts in this and other facilities. See cost savings chart for more detail.



US and Canada 1-800-243-3374  
Latin America 1-717-665-2421  
Europe, Asia, Australia and Africa +44 0 870 757 7007



For our example, we'll use a shaft size of 4 1/4 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>\$ 0.00</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)



BDI  
8000 Hub Parkway  
Cleveland, OH 44125  
888-423-4872  
[www.BDIExpress.com](http://www.BDIExpress.com)



US and Canada 1-800-243-3374  
Latin America 1-717-665-2421  
Europe, Asia, Australia and Africa +44 0 870 757 7007

[www.fennerdrives.com](http://www.fennerdrives.com)      
© 2020 FENNER DRIVES WKCoupling-SelfInsert-BSA-20 06/20

OVERSTOCK SAVINGS

FIND YOUR SALES OFFICE

SIGN IN OR REGISTER

SEARCH ALL

Search Products

GO

USA

QUOTES

SAVED CARTS

\$ 0.00

EDIT CART

PRODUCTS

KNOWLEDGE

SERVICES

QUICK ORDER

CHECKOUT

SEALMASTER SOLUTION

SAVES FORESTRY PLANT

SEALMASTER® Next Generation Skwezloc® Concentric Lock Bearing.

BDI - Bearing Distributors, Inc | Bearings & Mechanical Power Transmission

→ BEARINGS

BALL BEARINGS

MOUNTED UNITS & INSERTS

PLAIN BEARINGS

ROLLER BEARINGS

→ MECHANICAL POWER TRANSMISSION

ACCESSORY ITEMS

BELT DRIVES

CHAIN DRIVES

GEARS & RACK

SIGN IN -OR- REGISTER

Email

Password

Remember me

SIGN IN REGISTER

Forgot your password?

New to BDI? Welcome! Please register to receive your best pricing and save time ordering.

QUICK ORDER

TYPE IT IN

COPY & PASTE

ENTER PART #

You can use manufacturer or customer part numbers.

PART NUMBER

QTY

PART NUMBER

QTY

PART NUMBER

QTY

PART NUMBER

QTY

PART NUMBER

QTY

LET'S CHAT

NEED HELP?

We are here to assist you in finding the right solution.

LET'S CHAT

8/15/2022

BDI-Confidential

15

## B2B E-Catalog & More

**SEARCH**  **GO**

PRODUCTS KNOWLEDGE SERVICES QUICK ORDER

RECENT QUOTES

US\$ 0.00  
EDIT CART

**CHECKOUT**

**FROM THE SMALLEST BEARING TO THE BIG PICTURE**

BDI provides customized solutions for manufacturing process improvements, quality control and data collection.

→ BEARINGS

BALL BEARINGS

MOUNTED UNITS & INSERTS

PLAIN BEARINGS

ROLLER BEARINGS

→ MECHANICAL POWER TRANSMISSION

**SIGN IN -OR- REGISTER**

**SIGN IN** **REGISTER** [Forgot your password?](#)

New to BDI? Welcome! Please register to receive personalized help with parts and orders.

**QUICK ORDER**

**TYPE IT IN** **COPY & PASTE**

**ENTER PART #**

You can use manufacturer or customer part numbers.

<input type="text" value="PART NUMBER"/>	<input type="text" value="QTY"/>
<input type="text" value="PART NUMBER"/>	<input type="text" value="QTY"/>
<input type="text" value="PART NUMBER"/>	<input type="text" value="QTY"/>
<input type="text" value="PART NUMBER"/>	<input type="text" value="QTY"/>
<input type="text" value="PART NUMBER"/>	<input type="text" value="QTY"/>

**CONTINUE** [Bulk Order](#)



## Grain Milling Industry

OEM Replacement Parts for the Grain Milling Industry



BDI provides everyday products, solutions, and OEM replacement parts that support your grain milling operations. We stock and source common, standard bearings, belts, and MRO products.

- OEM equivalent bearings and differential belts for grain milling industry.
- Common products in stock.
- Products and knowledge for modern mills and traditional mills.

### Dedicated Industry Support



**Veronica Duran**

*Grain Milling Industry Specialist*

BDI has special pricing discounts in place for grain millers. Contact Veronica to learn more about special pricing.

[Get in touch](#)

**NEED HELP?** 

We are here to assist you in finding the right solution.

[LET'S CHAT](#)

LET'S CHAT 