

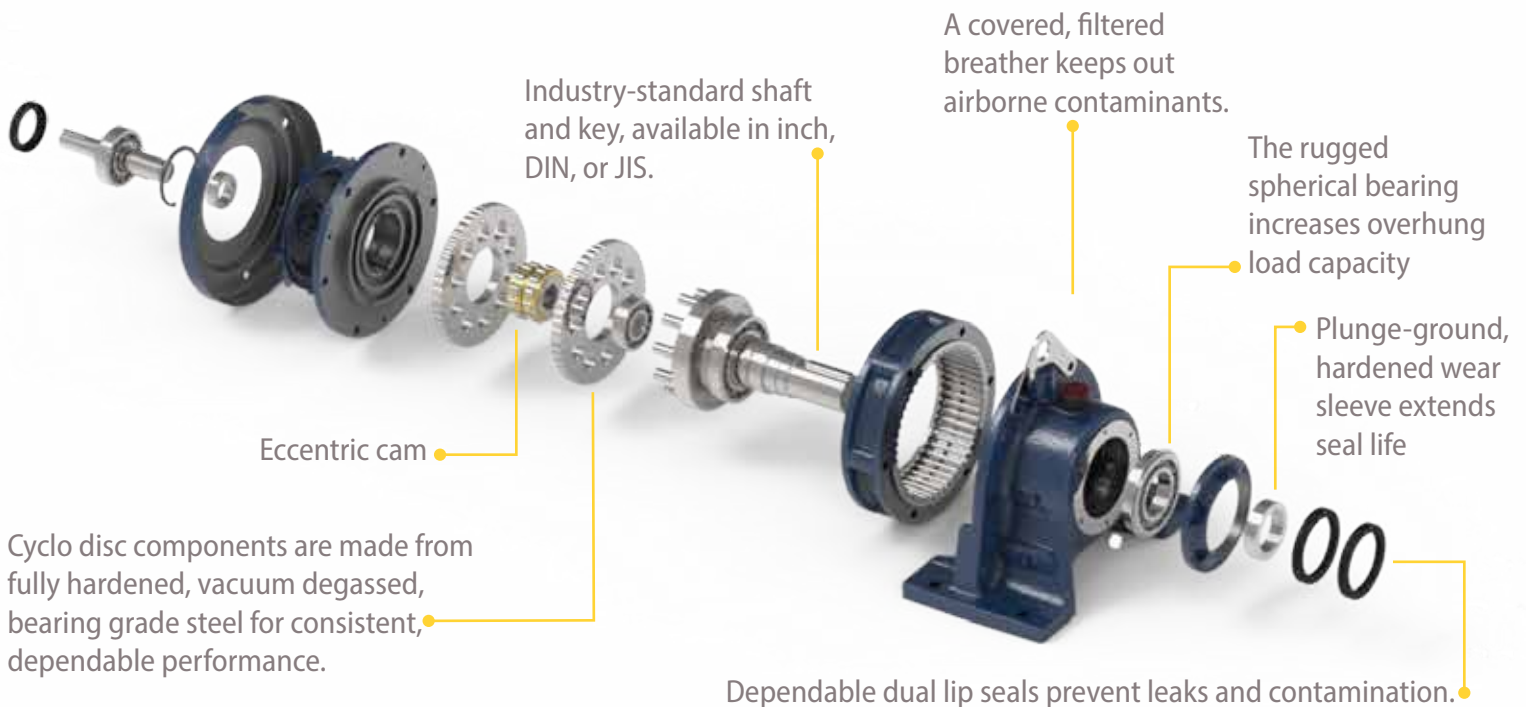
# CYCLO<sup>®</sup> MILL DRIVE

Sumitomo Drive Technologies

## The Toughest Drive In Any Mill

The Cyclo<sup>®</sup> Mill Drive can endure the dirtiest environments with the **efficiency** and **power** that your application demands. The unique cycloidal torque-multiplying design paired with high-strength and quality components results in a reliable operation and the ability to withstand tremendous shock loads.

- **High-strength ductile iron housing**  
More than **200%** stronger than standard cast iron housings!
- **Internal components manufactured from hardened, vacuum-degassed, bearing grade steel**  
Exceptionally hard parts made with unmatched consistency result in extended operational life.
- **Two dual lip seals**  
Minimize lubrication leaks and extend the unit's service life.
- **Self-aligning, double row, spherical roller bearings**  
Increased overhung load capacity for **maximum reliability**.
- **Heavy-duty, steel, filtered breather**  
**Keeps out** airborne contaminants
- **DIN grade 12.9 steel shoulder bolts**  
**Strengthens** impact and overload protection
- **500% Momentary overload capacity**  
Ideal for severe, high shock applications



Application Data Sheet

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## Seal Options

### Seal Material

- Nitrile (Standard)
- Polyacrylate
- Silicone
- Viton®
- Teflon®

### Operating Environment

- Normal Ambient Temperature
- High Temperature
- Low Temperature
- Chemical & High Temperature
- Highest Abrasion Resistance

### Output Collar Materials

- Hardened Carbon Steel (Standard)
- Chrome Plated Steel
- Nickel Plated Steel
- Stainless Steel

### Application

- Normal
- Hot, Dirty with Water Splash
- Subject to Caustic Wash-down
- Clean with Severe Water Splash

### Available Seal Designs

- Two Dual Lip Output Seals (Standard)
- Taconite Seals (Grease Purge)
- Bearing Isolators
- High Pressure Seals

### Application

- Severe Duty, Standard Mill Duty
- Mining, Extreme Abrasives
- Special Requirements
- Temporary Immersion



Top Mount Model

## Unmatched Overload Capabilities

**125%**

Greater Overload Capability Over Helical and Planetary Gears



## Tough Ductile Iron Housing

**200%**

Stronger Than Standard Housing



## Extensive Array of Sizes and Torque Densities

