



# Dodge® Extreme duty mounted ball bearing

The Dodge Extreme duty mounted ball bearing offers extended life in the toughest industrial applications. Incorporating patented Dodge-only features such as the QuadGuard sealing system and the Maxlife ball cage, the Dodge Extreme duty bearing outperforms the competition in demanding environments where increasing equipment uptime is critical to success. Extreme conditions require highly-engineered products that will last. The Dodge Extreme duty mounted ball bearing is up to the challenge.

### Ideal for the toughest mounted ball bearing applications:

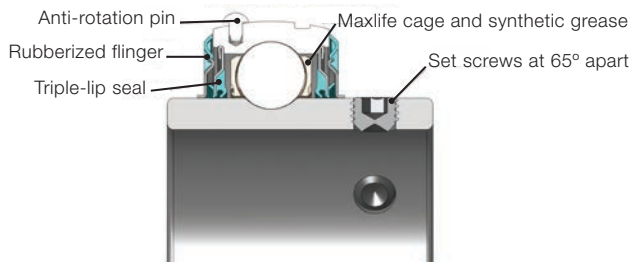
- Agriculture
- Aggregate/cement
- Mining
- Pulp and paper
- Forestry and wood products
- **Where nothing else works**

### Available in all four Dodge mounted ball bearing shaft attachment methods:

#### – SCED/SCMED

- 65° set screw
- Many sizes available from stock
- Full offering in Dodge bearing catalog

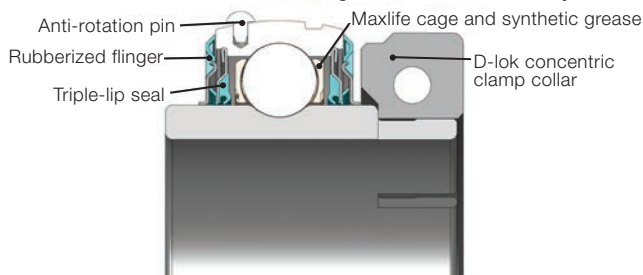
#### SCED set screw mounted ball bearing with QuadGuard seal system



#### – DLED/DLMED D-lok concentric clamp collar and GTED/GTMED grip tight adapter mount system

- Ideal for applications where concentricity and vibration control are critical
- Part numbers created upon request

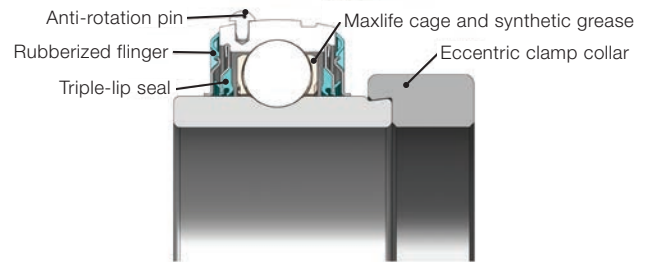
#### DLED D-lok mounted ball bearing with QuadGuard seal system



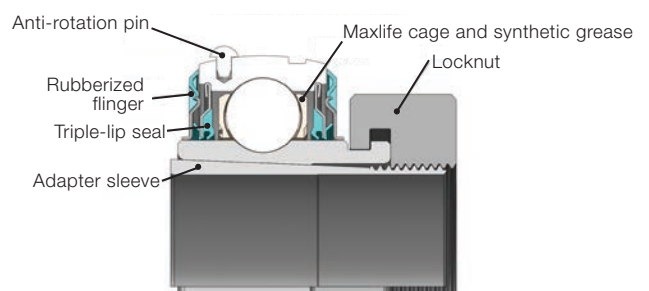
#### – SXRED eccentric collar

- Many part numbers currently available

#### SXRED eccentric collar mounted ball bearing with QuadGuard seal system



#### GTED grip tight mounted ball bearing with QuadGuard seal system



Power and productivity  
for a better world™



# Superior retention of lubrication and prevention of contamination for a longer-performing mounted ball bearing

## Patented QuadGuard seal

Extreme Duty uses our patented QuadGuard sealing system that offers superior protection in tough environments where there is significant risk of contamination. Industries such as aggregates, cement, paper, wood products and metals require a sealing system that will extend the life of the bearing in harsh conditions. There are two major components to the QuadGuard design:

- **Triple-lip seal**
  - Patented design
  - Mechanically retained seal with two contact points on the inner ring and one contact point that rides against flinger surface
  - Three points of contact guard against contamination and retain lubricants
  - Maximizes sealing without a significant speed rating reduction compared to a single lip design
- **Rubberized flinger**
  - Patented design (first in the industry)
  - Molded rubber provides additional protection from contaminants entering the bearing
  - Baffle design of the rubber on the external surface of the flinger enhances the removal of liquid as it rotates
  - Grease chambers on the internal surface prevent lubricants from exiting the bearing
  - Superior design increases service life in dirty environments, thus leading to extended uptime

## Less maintenance required

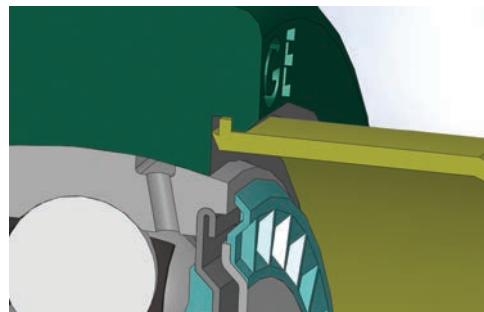
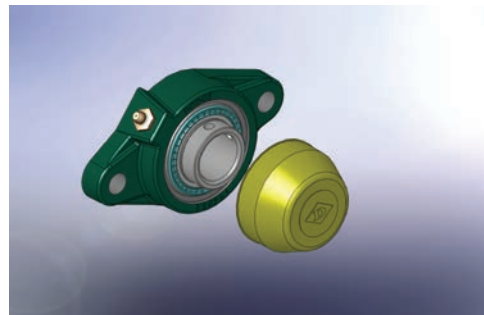
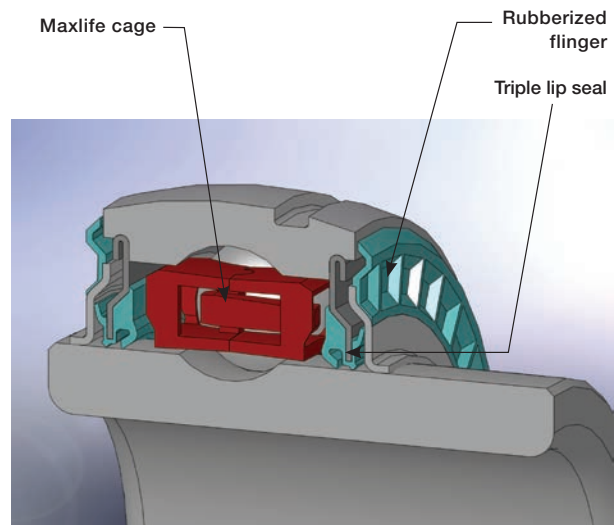
The Maxlife cage incorporates an innovative cage design that is unique to Dodge. The Maxlife cage is the product of extensive research and development in retainer technology and industry-leading engineering.

- Two-piece design that creates a grease compartment around each of the rolling elements
- Compartments allow balls to be constantly in contact with grease, insuring that an oil film will always exist to prevent wear and minimize friction and heat
- Relative motion between the components and the grease is reduced, resulting in lower operating temperatures and extended life
- Compartmental construction of the cage helps hold in the grease and prevents it from being washed out in extremely wet or dirty conditions
- Exclusive design extends life with less frequency of re-lubrication than standard designs

## Synthetic grease standard

The Extreme Duty mounted ball bearing utilizes the latest in synthetic grease technology to provide lower operating temperatures, extended grease life, and maximum time between re-lubrication. The Extreme Duty ball bearing from Dodge offers the ultimate in engineering and innovation to provide a product that requires less maintenance and will last longer in demanding environments.

\*Applies to four bolt pillow block (serie 534, 536, 538) only.



Secure, snap-on end covers provide additional protection from contamination