



#### PRODUCT NOTE

## Dodge® modified mounted bearings

### Solving mounted bearing reliability issues



**Challenge: Should the mounted bearings in your equipment be lasting longer?**

A street cleaner OEM was utilizing a competitor's bearing on a 3,800 RPM blower wheel. Even with an automatic lubrication system, these bearings were failing prematurely due to dust and dirt penetrating the seals and degrading the lubrication.

#### Solution

The OEM requested a bearing that offered easier removal and greater shaft protection to decrease future replacement time and costs. To achieve this, the competitor's standard bearings were replaced with Dodge Grip Tight units with the MaxLife cage design.

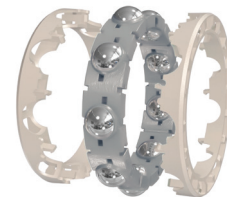
The Dodge MaxLife Cage ensures constant contact of grease with rolling elements and prevents grease washout. To get more life out of the grease, standard grease in the bearing was replaced with synthetic grease.

The adapter mounted Grip Tight bearing was chosen to limit the vibration and shaft damage inherent with set screw attachments.

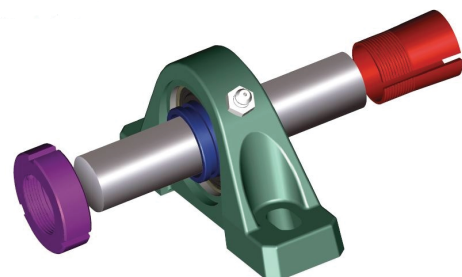
#### Result

These exclusive Dodge features, combined with Air Handling tolerances, provided a longer lasting, smoother running bearing that was easier to remove upon eventual replacement, avoiding costly shaft repair.

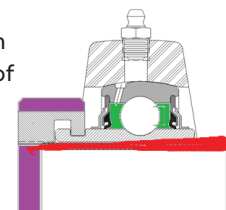
With an average of 3 hours and \$225 labor costs spent to remove and replace each original set screw bearing, the OEM saved \$112,500 per year and 1,500 hours of maintenance time.



Max Life Cage - Two piece design retains grease and keeps rolling elements lubricated



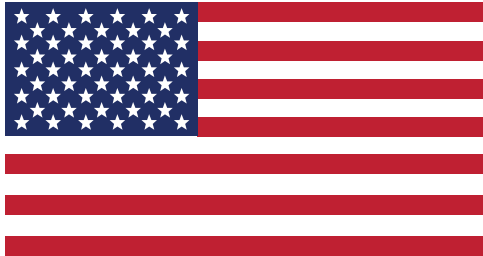
Locking nut secures to bearing, aiding in removal at time of replacement



Tapered adapter sleeve gives concentric grip, prevents shaft damage.

# Dodge® modified mounted bearings

Mounted bearings that meet your application needs



Local Manufacturing Video

## Local manufacturing and customer service

Building Dodge mounted bearings locally, with modification capability, means that you get the bearing you need, when you need it. Being local also means that you get the availability and personal customer service you deserve.

Local sales engineers can work with you to review your specific standard bearing challenges and find the modification required for your specific application.

## Dodge application engineering

[brgpttechsupport@dodgeindustrial.com](mailto:brgpttechsupport@dodgeindustrial.com)  
864.284.5700

## Mounted bearing modification capabilities include:



### Sealing

- Accomodate high speeds and temperatures
- Minimize drag
- Protect bearings from harsh environments



### Lubrication

- Supply specific greases and factory fill rates
- Provide bearings without grease for customer fill
- Plug bearings to reduce maintenance
- Plug bearings to avoid the addition of potentially incompatible grease by customer

Other modifications are available upon application and product review. Multiple modifications within a single unit may also be available.

## Application specific mounted bearing modification capabilities include:



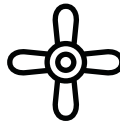
### High temperature applications

- Designed especially for use in temperatures ranging from 215° to 400° F.



### Low temperature applications

- Designed especially for use in temperatures ranging from -20° to -40° F



### Air handling applications

- Specifically designed and tested for high speeds and quiet operation

