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A Division of General Sullivan Group, Inc.

## APPLICATION

Tolerance Ring Versus  
Rubber Boot

USA

OEM

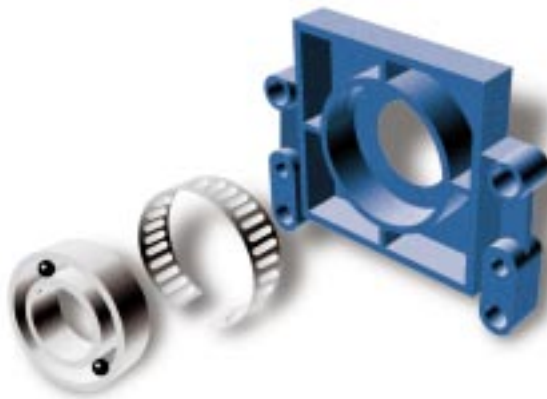
**CASE STUDY**

## PROBLEM



High RPM motors can cause the bearings to run at high temperature, and the heat is trapped by the rubber boot. This allows the grease to break down, shortening bearing life. Also, variation in the durometer readings of the rubber boot can affect spring rate, allowing unwanted side movement of the bearing under a load.

## SOLUTION



Airflow around the tolerance ring allows the bearing to run as much as 15°F cooler. Consistent spring rates allow for better centering of the bearing, minimizing bearing movement under side load. Additionally, tolerance ring offers excellent thermal expansion qualities.

## BENEFITS

Brush life is extended as vibration is dampened under worst case conditions.

## STATUS