



## APPLICATION

**Miniature Ball Bearings**

**USA**

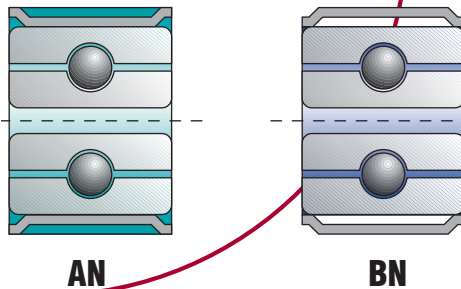
# CASE STUDY

## PROBLEM



**M**iniature ball bearings pose issues in terms of handling and assembly, due to the fact that the thin outer race is easily damaged. Attempting to evenly apply adhesive can be difficult and negates any possibility for rework.

## SOLUTION



**AN**

**BN**

**U**SA Tolerance Rings simplify assembly by allowing a light press-fit installation that retains the bearing outer race while relaxing component tolerances and maintaining adequate concentricity over a broad temperature range with dissimilar materials. The rings also allow for rework without risk of damaging the bearing. Either the AN or BN style ring may be used, depending upon customer preference for assembly.

**Use AN or BN Rings**

## BENEFITS

Tolerance Rings are used to mount miniature bearings in small electric motors and small electro-mechanical drives, eliminating set screws, adhesives and bearing damage due to press fits.

## STATUS

In production.