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A Division of General Sullivan Group, Inc.

APPLICATION

**Bearing Mount
 in the HD Series
 Plunge Router**

Skill **USA**

CASE STUDY

PROBLEM

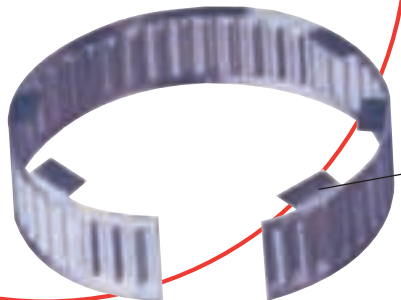


Bosch corporate mandate requires that all manufactured power tools must be 100% recyclable, making them the market leader in this area.

A recycling issue was caused due to a powdered metal sleeve that was insert-molded into the old design. The sleeve was required for direct drive, high radial load power tools.

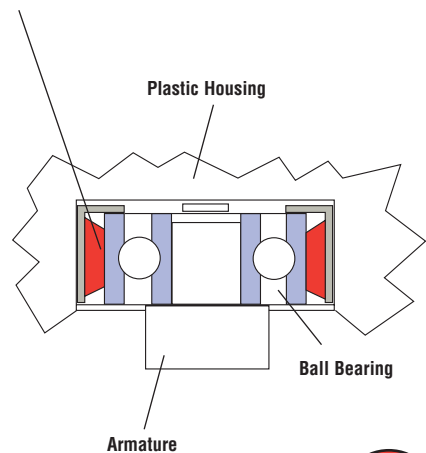
Tolerance and thermal issues prevented mounting a steel bearing directly into a plastic housing that has a different rate of thermal expansion.

SOLUTION



The use of an ANT22X7S1 Tabbed Tolerance Ring to mount a 608 ball bearing into the "as-molded" plastic housing eliminates the need for an insert-molded powdered metal sleeve.

Tabs on the ANT22X7S1 prevent the tolerance ring from moving axially



BENEFITS

Achieving the corporate mandate in making Bosch the world leader in 100% recyclable power tools.

STATUS Production since mid 1996.

3/00CSPT4

www.usatolerancerings.com