PEER developed AgXtreme bearing seals specifically for harsh and severe environments. The AST (Advanced Seal Technology) was designed for environments where a standard seal is not tough enough.

Applications Include:
- **Agriculture**: Combines, Hay balers, Mower Conditioners, Cotton Stripppers, Augers, Planters/grain drills
- **Lawn & Garden**: Lawn Mowers
- **Conveyors**: Grain, Aggregate

- Durable steel zerk fitting
- AgXtreme designed seal groove to prevent seals from "turning" during operation
- Class 3A set screw with nylon patch
- Grade 10 precision balls
- Exclusive AgXtreme seal design
  - Single (F or G), double or triple lip seal options all bonded to a thick gauge steel shroud for protection even in the harshest of environments
- Precision ground and super-finished raceways
- High strength riveted steel retainers (Retainers are also available in Nylon)
- Improved finish for seal contact area to reduce seal wear
- All bearings lubricated with brand name greases proven to perform in extreme environments
- High grade cast iron or ductile iron housings (Stamped steel housing also available)
- Solid foot housing design for added strength
Field Testing
AgXtreme bearing seal designs have undergone independent field testing in a wide range of agricultural applications.

Lab Testing / Mud Slurry Testing
The test is performed to determine the effectiveness of the bearing sealing device to withstand contamination intrusion under aggressive environmental conditions. Seal designs are tested against competitive parts in side-by-side mud slurry testing. In this test, bearings are operated while submerged in a suspension containing Water, Arizona Coarse Test Dust (ISO 12103-1 A4 coarse test dust), fertilizer, and Calcium Chloride.

Test Results
“The test shows the PEER bearing seals performed significantly better than the name brand bearing seals. The lack of durability in the name brand seal design is evident, as the contamination levels of the bearing were high at the 75-hour mark. It is clear that the PEER bearing seals are superior to the name brand seals.”

Chris Napoleon,
Chief Engineer, Napoleon Engineering Services, Independent Bearing Testing Facility
PEER offers a wide range of Agricultural Bearing Products

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