

# PRODUCT GUIDE



*Trusted Difference at Every Turn*



## AGRICULTURAL BEARINGS

PEER manufactures agricultural ball bearings and ball bearing assemblies in both industry standard and custom designed configurations.

Agricultural ball bearings include disc harrow, flanged disc and agricultural specials including round, square bore and hex bore in both inch and metric sizes.

- Full line of housing styles including standard housings, flange disc units and trunnions
- Ductile and cast iron
- HUB bearing units for tillage application
- Drop in assembly/replacement with pre-assembled bearing and housing offerings.
- Seal options include single, double and triple lip as well as patented PEER AGXTREME® seal technology



Every aspect of PEER agricultural bearings has been engineered to ensure optimum performance through the following features:

- **Seals:** Specialized nitrile seal material bonded to heavy gauge steel shrouds offer superior protection against abrasive or corrosive contaminants.
- **Steel:** High cleanliness, through hardened bearing steel is heat treated and precision machined for increased accuracy and long life.
- **Grease:** Premium polyurea thickened grease offers corrosion resistance and extended grease life.

### Product Offering

**Bore Size:** 12mm and larger in round, square and hex bore designs

**Outer Diameter:** up to 160mm

**Closures:** Single lip, double lip, triple lip

**Ring Material:** 52100 chrome steel

**Seal Material:** Elevated temp formula NBR

**Retainer:** Riveted steel, glass filled and non-glass filled polymer

**Precision Class:** ABEC1

**Radial Internal Clearance:** C3, C4



## DEEP GROOVE RADIAL BALL BEARINGS

PEER Bearing manufactures a broad range of inch and metric single row radial ball bearings and double row angular contact ball bearings. For many applications, PEER's standard catalog bearing will meet customer performance expectations. For unique applications, PEER is capable of developing cost-effective bearing solutions which include non-standard dimensions or tolerances, special lubricant, seal material, heat treatment, or increased load carrying capacity.

### Product Offering

**Bore Size:** 2mm - 150mm

**Outer Diameter:** 15mm - 150mm

**Closures:** Open, Non-contact metallic shields, Non-contact seals, Contact seals

**Ring Material:** SAE52100 (ISO 100Cr6, GB/T GCr15)

**Seal Material:** Nitrile, Polyacrylate, FKM

**Retainer:** Riveted steel, Crimped steel, Crowned steel, Crowned nylon

**Precision Class:** ABEC1, ABEC3, ABEC5

**Radial Internal Clearance:** C2, C0, C3, C4, C5

**Heat stabilization:** S0, S1, S2, S3



### Single Row Deep Groove Ball Bearings

- |                      |                |                      |
|----------------------|----------------|----------------------|
| • R Series (Inch)    | • 6000 Series  | • Cartridge Series   |
| • 1600 Series (Inch) | • 16000 Series | • W6200/W6300/U.S.   |
| • 600 Series         | • 6200 Series  | • 62200/62300/Europe |
| • 6800 Series        | • 6300 Series  | • 63000              |
| • 6900 Series        | • 6400 Series  |                      |

### Double Row Angular Contact Ball Bearings

- 5200 Series
- 5300 Series
- W5200 Series
- W5300 Series

### Miniature Precision Single Row Deep Groove Ball Bearings

- R, RF Series
- RI, RIF Series
- L, LF Series



*PEER has a diversified line of Ball, Tapered, Mounted Unit, Agricultural and Ball Transfer Units designed to meet the **unique requirements** of our targeted industries.*



Agricultural



Electrical



Fluid





## MOUNTED UNIT BEARINGS

PEER manufactures and offers an extensive and full line of insert ball bearings and assemblies in industry standard and custom configurations. Our broad product offering includes a wide array of locking styles and housing designs.

### Product Offering

**Bore Size:** ½" – 3 ½" (12mm - 100mm)

**Outer Diameter:** 40mm - 200mm

**Closures:** Full metal shroud with single, double, or triple lip seals and non-contact, free spinning shroud only designs

**Ring Material:** 52100 chrome steel, 440C stainless steel

**Seal Material:** Nitrile, Silicone and FKM

**Retainer:** Riveted steel, glass filled and non-glass filled polymer

**Precision Class:** ABEC1

**Radial Internal Clearance:** C3, C4

**Bearing Styles** (wide or narrow inner rings in spherical and cylindrical outer rings)

- Dual set screw locking collar
- Eccentric locking collar
- Patented Grip-It® concentric locking

### Housing Styles

- Pillow blocks in high grade cast iron, high strength ductile iron, stamped steel, polymer and stainless steel
- 2, 3 and 4 bolt flanges in high grade cast iron, high strength ductile iron, stamped steel, polymer and stainless steel
- Hanger units, take-up units, cartridge and other specialty use designs
- Rubber insulators



## BALL TRANSFER UNITS

PEER offers Ball Transfer Units manufactured to high standards and available in a wide range of sizes, application styles and load capacities. Heavy Duty Series function efficiently whether mounted in ball up or ball down orientation or in any angle of inclination. Light capacity units feature a load ball with support balls floating in a cup that are intended to be mounted only in ball up orientation. When heavy loads, uneven loads or shock loading may occur, internal or external spring loaded designs are available. The Heavy Duty Series come standard with black oxide finish and the light capacity parts with zinc plating. Standard units come with carbon steel housing and high quality chrome steel balls. Optional units are offered as full stainless steel or stainless steel balls only.

### Product Offering

**Load Ball:** ½" – 3 ½"

**Ball Materials:** SAE 52100 chrome steel, 440C stainless steel, phenolic resin

**Housing Materials:** 1012 steel, 1015 steel, 304 stainless steel

**Housing Finish:** Black oxide, zinc

**Series/Mountings:** Plain, Flange, Flange Socket, Threaded Stud, Tolerance Ring, Spring Loaded, Saturn Type, Caster Units, Ball Float Units.



## TAPERED ROLLER BEARINGS

Tapered roller bearings are generally used in lower speed, high load applications and are capable of absorbing radial and/or axial loads. The internal angles may be designed to tailor the bearing to the loading demands of a specific application. PEER manufactures single row (TS), sealed single row (LA), and matched set tapered roller bearings in inch and metric dimensions.

### Product Offering

**Bore Size:** 15mm - 200mm

**Outer Diameter:** 35mm - 260mm

**Ring Material:** SAE52100 (ISO 100Cr6, GB/T GCr15)

**Precision Classes**

**ISO Metric:** Normal, P6X

**Inch:** Class 4, Class 2

**J line Metric:** Class K, Class N



Single Row



Sealed



Matched Pair



Industrial  
Transmission



Material  
Handling



Off-Highway



*Trusted Difference at Every Turn™*

### *PEER® Bearing offers*

- *A wide range of agricultural, radial, mounted unit ball bearings, ball transfer units and tapered roller bearings*
- *Valued bearing solutions for agricultural, electrical, fluid, HVAC, industrial transmission, material handling and off-highway applications*
- *ISO/TS 16949 certified production facilities*
- *Dedicated Research and Development center*
- *Global application and customer support*

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