

TAPERED ROLLER BEARING SOLUTIONS FOR INDUSTRIAL EQUIPMENT



Trusted Difference at Every Turn®

PEER Tapered Roller Bearings are engineered to provide the highest reliability and performance under the tough conditions that industrial equipment must endure.

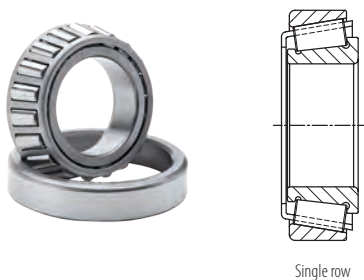
To ensure successful bearing operation, our Application Engineers work with you to specify the right PEER solution to meet your performance requirements the first time .

How do you benefit from choosing PEER Tapered Roller Bearings?

- Globally interchangeable inch and metric solutions allow drop-in replacement for existing and new designs
- Application-specific solutions reduce internal bearing stress and extend bearing and machine life
- Industry-focused Application Engineers provide bearing selection competence to support your new product development
- Partner supplier provides proven operational reliability and cost-effective solutions to major industrial OEM's

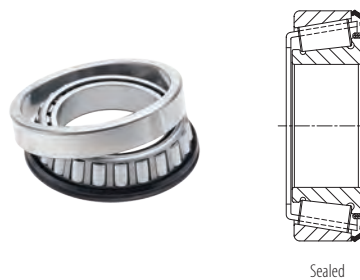
Single Row Tapered Roller Bearings

offer increased axial and radial load capacity relative to other bearing types. The inherent design allows for clearance adjustment during mounting to achieve the correct bearing setting for optimized performance.



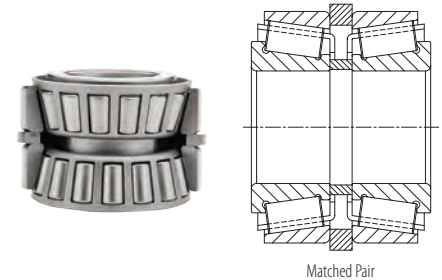
Sealed Tapered Roller Bearings

offer an integrated solution for grease lubricated applications as an economical replacement to a traditional shaft seal and bearing as individual components.



Tapered Roller Bearing Assemblies

are pre-packaged with cup and cone spacers required to achieve a pre-determined bench end-play. The result is a major reduction in assembly time and reduced risk of early failure due to improper clearance setting.

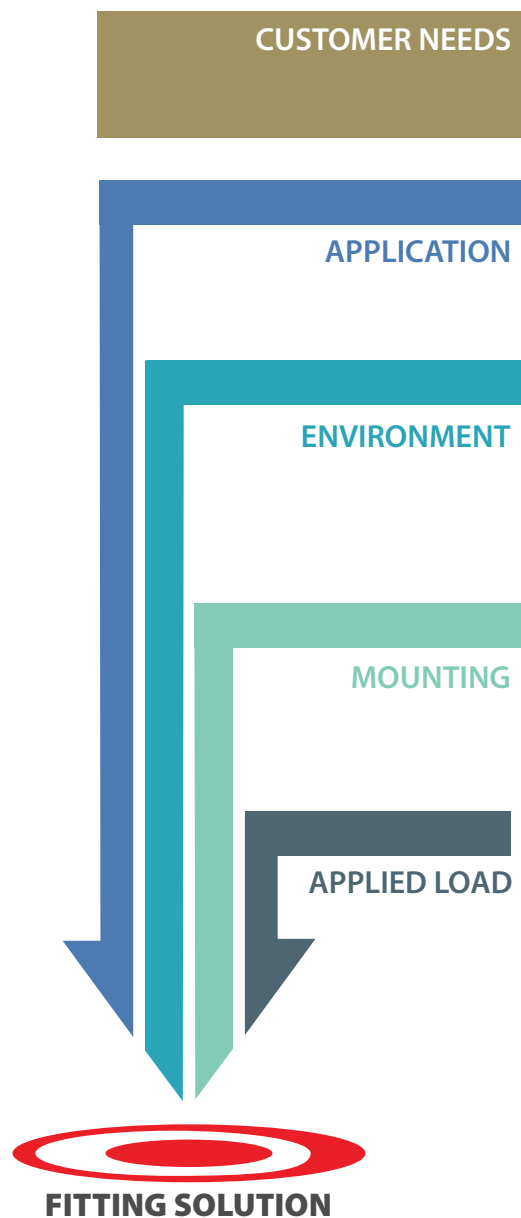


TAPERED ROLLER BEARING CAPABILITIES

Bore Size:	15mm~200mm
Outside Diameter:	35mm~260mm
Ring Roller Material:	Through hardened SAE 52100, ISO100Cr6, GB/T GCr15
Precision Classes:	
– ISO Metric:	Normal, P6X
– Inch:	Class 4, Class 2
– J line Metric:	Class K, Class N
Heat Stabilization:	S0, S1, S2, S3
Solutions:	Standard (Radial Load), XT (Misalignment)



Add Value and Reliability to your Equipment through Proper Bearing Selection



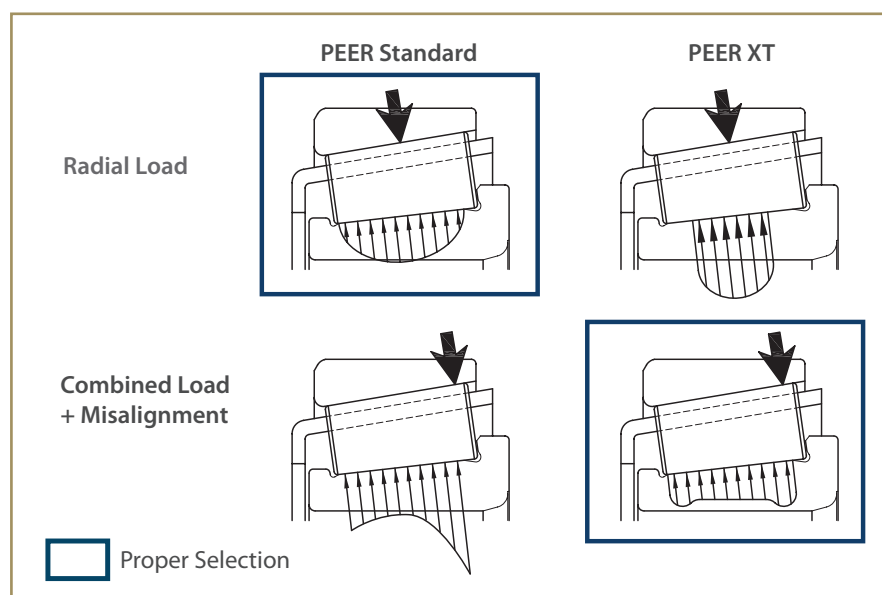
PEER's knowledgeable and industry focused Application Engineers collaborate with your technical team to understand the application, operating environment, applied load, and performance expectations. In doing so, PEER will match the right PEER solution to meet your application performance requirement.



By understanding the environment surrounding the bearing, PEER can assess the need to prevent contaminant ingress and retain lubricant by selecting a sealed TRB solution.

When a pre-determined bench end-play (clearance or preload) is critical for maximizing bearing performance, PEER will produce pre-assembled matched pairs. The advantage is a major reduction in your assembly time and reduced risk of early failure due to improper clearance setting.

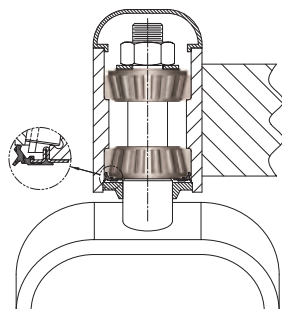
Understanding applied load during operation is critical to maximize tapered roller bearing performance. PEER Application Engineers utilize performance prediction tools to analyze bearing stress as part of the bearing selection and validation process. In certain applications, PEER engineered internal geometries are proven to lead to greater machine reliability without increasing bearing size or cost.



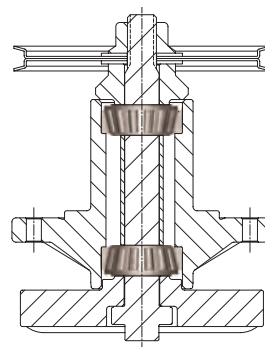
TYPICAL INDUSTRIAL APPLICATIONS

Assembled with PEER Bearings

MOWER

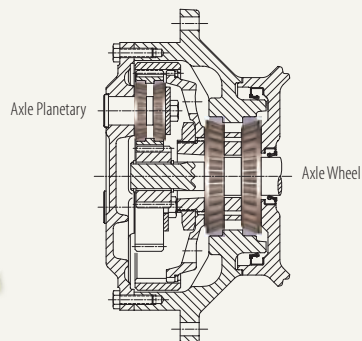


CASTER



SPINDLE

FARM TRACTOR

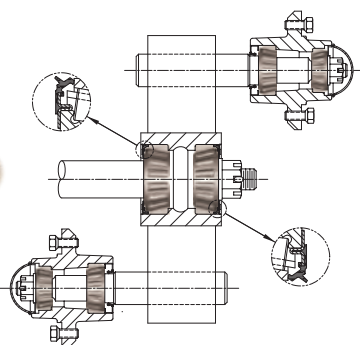


AXLE
WHEEL

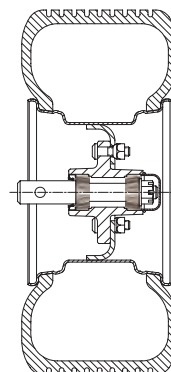


AXLE
PLANETARY

AG IMPLEMENT

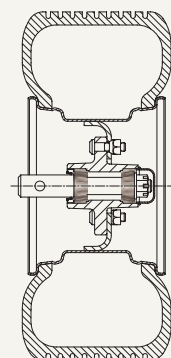


WALKING
BEAM



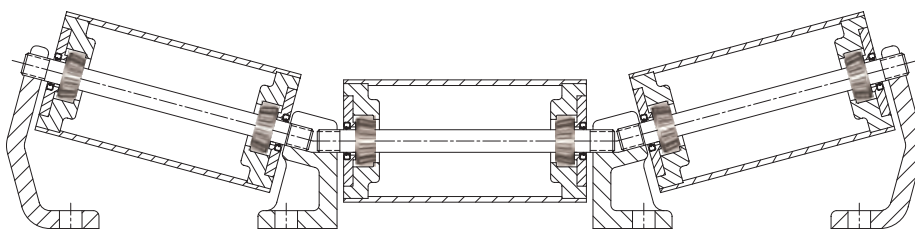
WHEEL

GRAIN CART



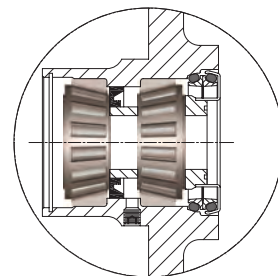
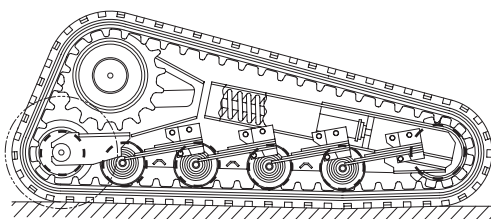
WHEEL

BULK CONVEYOR



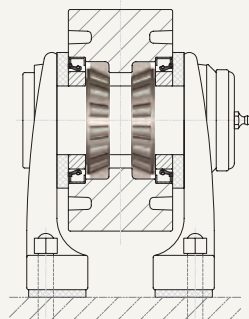
IDLER
ROLL

COMPACT TRACK LOADER



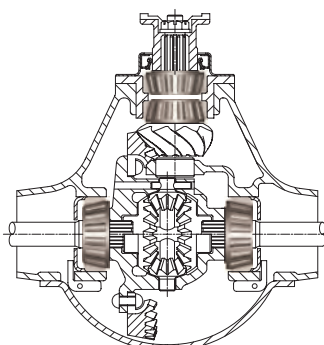
**TRACK ROLLER
TRACK IDLER**

CONCRETE MIXER



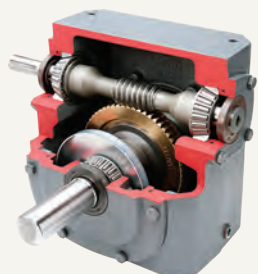
DRUM ROLLER

ATV / UTV

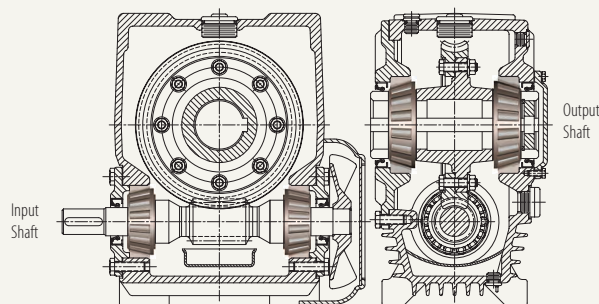


**AXLE
DIFFERENTIAL**

WORM GEARBOX



- Elevator
- Press
- Winch
- Gate
- Hoist
- Conveyor



**INPUT
SHAFT**

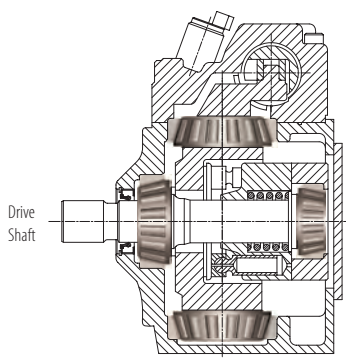


**OUTPUT
SHAFT**

HYDRAULIC PUMP



- Excavator
- Skid steer
- Backhoe loader
- Farm tractor
- Wheel loader
- Rice combine
- Forklift truck
- Rice transplanter
- Concrete truck
- Pressure washer



Swash Plate Trunnion



**SWASH PLATE
TRUNNION**



**DRIVE
SHAFT**



Trusted Difference at Every Turn®

PEER® Bearing offers

- *A wide range of agricultural, radial, mounted unit ball bearings, 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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