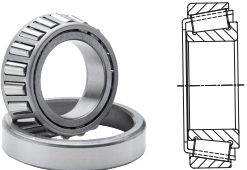
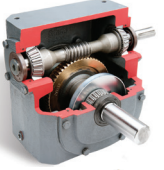
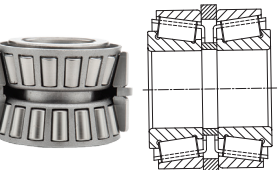
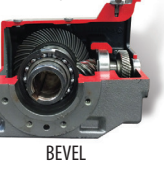
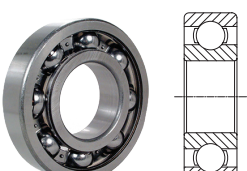



Bearing Solutions for All Industrial Gearbox Types

Not all gearbox types can be treated the same! When designing a gearbox or reducer, many factors need to be considered to meet application and commercial requirements. Low noise levels, speed to market, cost-effectiveness and durability play a significant role in the success of a gearbox design. PEER understands this and applies proven experience to the industrial gearbox market to effectively integrate bearing solutions that are reliable and cost-effective. Major gearbox OEM's rely on PEER's range of deep groove ball bearing (DGBB) and tapered roller bearing (TRB) solutions to meet their performance expectations and keep their gearboxes running...and so should you!

PUTTING OUR PRODUCTS TO WORK FOR YOU

	Bearing Type	Our Product Value	Gearbox Usage
Single Row TRB		<ul style="list-style-type: none"> Engineered internal geometry for longer service life under pinion misalignment Tighter stack height for ease of assembly and stack-up control Optimized internal design to consistently control backlash during operation Less friction at higher speed to improve operating efficiency 	
Matched Pair TRB		<ul style="list-style-type: none"> Prepackaged as a set to reduce assembly time Predetermined bench end play eliminates risk of improper bearing setting High torque capacity to increase service life in power dense gearbox designs Optimized for less friction at higher speed to improve operating efficiency 	
DGBB		<ul style="list-style-type: none"> Available sealed or shielded to retain grease when large shaft offsets are used Low running noise/vibration to improve operating efficiency Ease of application mounting reduces assembly costs Cost-effective alternative to more expensive bearing types 	

All bearing solutions apply to gearboxes shown above



Leveraging PEER's Technical Service

PERFORMANCE PREDICTION ANALYSIS

BEARING FEATURE SELECTION

SHAFT AND HOUSING FIT SELECTION

CAD PRINTS AND 3D MODELING

BEARING REVIEW ANALYSIS

PEER's knowledgeable and industrial gearbox-focused Application Engineers collaborate with your technical team to select the best bearing solution to meet the needs of your application in a cost-effective way.

THE PEER BENEFIT

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

Product Characteristics	Tapered Roller Bearing	Deep Groove Ball Bearing
Bore Size	15-200mm	3-150mm
Outside Diameter	35-260mm	10-240mm
Ring/Roller Material	Through Hardened	Through Hardened
Precision Classes	ISO Metric: normal P6x Inch: Class4, Class2, J line Metric: ClassK, ClassN	ABEC1, ABEC3, ABEC5
Width or Stand Height Tolerance (T)	1/2, 1/4	-
Heat Stabilization	S0,S1,S2,S3	S0,S1,S2,S3
Solutions	Standard (Radial load) XT (Misalignment)	Open, Sealed, Shielded
Seal Material	-	Nitrile (Buna-N), Polyacrylic (Hycar®), Fluoroelastomer (Viton®)
Lubrication	-	Low Temp, High Temp, Food Grade



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