Race Series Bearings Provide Exceptional Performance and Outstanding Dependability.

Trimetal Formulation

	Layer	Alloy	Thickness (Typical)	
	Overlay	Lead–Tin– Copper	0.013mm	
	Barrier	Nickel	0.001mm	
	Lining	Lead–Tin– Copper	0.3mm	
	Steel	SAE1010 (High Tensile)	Rem	



Large Chamfer. Tight Wall Tolerance. Hardened Steel Backing.





Benefits Seizure resistance– Low friction & deformable Separation layer Separation layer High strength– Supports bearing lining



Bearing eccentricity is the gradual reduction in wall thickness between the crown and parting line. This enhanced engineering feature allows for compensation for bore distortion and assists in the formation of hydrodynamic oil film.





Tight wall toloranco



High Strength Steel Backing

Higher tensile strength of steel alloy improves rod bearing strength and retention. Increased crush improves bearing retention from higher radial contact pressures, and also improves heat dissapation.

Extended Oil Grooves and Tapered Groove Run-Out

Main bearing grooved uppers with matching groove lowers provide for less interuption to big end oil supply. Tapered groove run–out smooths big end supply cutoff and avoids pressure pulsing and cavitation.

