

AAR Manual of Standards and Recommended Practices
Roller Bearing Manual

CLASS AND SIZE	DIMAETERS ARE AVERAGES								GREASE WEIGHT		
	CONE ASSEMBLY		OUTER RING				BACKING RING	Each	Smarau	Total	
	Maximum I.D.	Out-of- Round	Minimum O.D.	Maximum C'bore.	Minimum C'bore.	Out-of- Round	Maximum Fitted I.D.	Cone Assembly	Spacer Region	±1 Ounce	
K(6 <sup>1</sup> / <sub>2</sub> x9)	Inboard =6.1880" Outboard=6.1885"		9.8250"	9.380"	9.373"	0.005"	7.528"	3.5	5	12	

## Notes

### A. Cone Assembly

Measure bore at both ends  $\frac{3}{8}$ " to  $\frac{1}{2}$ " from face.

# B. Steel Cage Inspection

Place cone assembly on back face and use feeler gage to verify pocket clearance. If the roller pocket of the cage is worn to the extent that a 0.060" feeler gage can be inserted between the roller and the cage bridge, the cone assembly should not be returned to service.

### C. Outer Ring

Measure outside diameter in areas of adapter contact.

Measure both counterbores.

## D. Seal

Replace with new AAR approved interchange seals.

# E. Spacer

Width selection must provide for proper lateral clearance.

**Hand:** 0.020" - 0.026" **Power:** 0.023" - 0.029"

### F. Seal Wear Ring

Replace seal wear ring if wear on O.D. surface (seal lip path) exceeds 0.005" depth.

# G. Backing Ring ,Counterbore Provide tight fit on seal wear ring.

H. Backing Ring, Fillet Contact Fillet area not to be galled or pitted.

## I. End Cap Inspection

No cracks, breakage, wear, or distortion is allowed.

BEARING COMPONENT PART NUMBERS											
Class and Size	Outer Ring	Cone Assembly Spacer		Seal Wear Ring		Backing Ring	End Cap				
K(6 <sup>1</sup> / <sub>2</sub> x9)	3506/157A-21	3506/157A-02	3506/157A-63	3506/157A-12	G300198BG5	3506/157A-20	3506/157A-30				

All parts of LYC Tapered Roller Bearings are to be maintained in accordance with the above specifications and in accordance with the requirements of the Association of American Railroads (AAR) as described in the Roller Bearing Manual (RBM) section of the AAR Manual of Standards and Recommended Practices.

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