

	DIAMETERS ARE AVERAGES								GREASE WEIGHT			
CLASS AND	CONE ASSEMBLY			CU	P	BACKING RING	Each	Each Spacer	Total			
SIZE	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 (6½x9)	6.1880"	0.003"	9.825"	9.380"	9.370"	0.005"	7.528"	51/2	1	12		
M (7x9)	6.5005"	0.003"	10.363"	9.780"	9.770"	0.005"	7.528"	5½	1/2	11½		

#### **Notes**

### A. <u>Cage Inspection, Polyamide</u> -

NOTICE - DO NOT SPIN - ROLLERS CAN BE DISLODGED AND CAUSE INJURY.

Do not stress relief. Do not plate cone with Wash only with wacage in place. ter/detergent solutions at 190° max temp. Visually inspect for damage. Do NOT disassemble cage. Send to Progress Rail.

DO NOT MIX INSPECTION ROLLERS CHECK ROLLER E. (pre-2003 cages). ÖRIENTATION WHEN REINSTALLING.

Cage - Inspection, Steel - Place cone assembly on back face and use feeler gages. F. Pocket side clearance to be less than 0.060" between roller and cage bridge.

Note: One half of the total amount of grease may be applied to each side of the assembled bearing.

- <u>Seal</u> No interchangeable seals. Re- G. <u>Backing Ring, Fillet Contact</u> Fillet place with new Brenco seals.
- Spacer Width selection must provide H. for proper lateral clearance.

Class K

Hand: 0.020" – 0.026" Power: 0.023" – 0.029"

Class M

Hand: 0.022" - 0.027" Power: 0.025" - 0.030"

Wear Ring - Wear on O.D. surface (seal lip path) not to exceed 0.005"

Backing Ring, Counterbore - Provide tight fit on wear ring.

- area not to be galled or pitted.
- End Cap Inspection No cracks, breakage, wear, or distortion is allowed.
- Poly-Shroud® Slinger (Optional) Class K Poly-Shroud® option available. Spacer widths must conform to the following if Poly-Shroud® is pre-

Class Part № G274E 0.535

	BEARING COMPONENT PART NUMBERS										
01.400						Composite					
CLASS AND SIZE	Cup	Cone Assembly	Spacer	Wear ring	Composite wear ring	wear ring insert	Tru-Guard®	ST-212	Efficiency Plus®	Backing Ring	End Cap
K (6 ½ X 9)	G202 or G202P	HM133444 or G201	G205	G206	G206D	G261	G207K	G207B or G207B-2	G207G or G207G-2	G215	G200
M (7 x 9)	G302P	G301A	G305	G306			n/a	n/a	G307G	G315	G300

All parts of BRENCO 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 AAR Manual of Standards and Recommended Practices (MSRP).

\* The class-K cone assembly is interchangeable with those from AAR Approval #5, 5A class-F bearings. CLASS K CONE ASSEMBLIES MUST BE FROM 1997 PRODUCTION OR LATER.

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Fig. 3.7.23 Brenco "Generation 2000" roller bearing service limits AAR approval No. 28 (page 1 of 2) Rule 3.7.2

## **Specifications for Roller Bearing Maintenance**



# **BRENCO® AAR - 28**



## **AAR Marking Order of Bearing Components**

For current marking order, reference the AAR Manual of Standards and Recommended Practices. For past marking order, reference the table below.

	AAR Marking Order (past)							
Cone (prior to 7/2010)	BRENCO®	USA Part Number Heat Number Manufacture Date (Month and Last Two Year Digits)						
Backing Ring (prior to 8/2012)	BRENCO® N	Manufacture Date (Month and Last Two Year Digits) Part Number						
Cup (prior to 8/2012)	BRENCO® P	art Number USA Manufacture Date (Month and Last Two Year Digits) Serial Number						
Seal DDL® (prior to 11/2013)	BRENCO® P	Part Number DDL Patent Number USA Manufacture Date (Month and Last Two Year Digits)						
Seal ST-212 (prior to 11/2013)	BRENCO® P	Part Number ST-212 Patent Number USA Manufacture Date (Month and Last Two Year Digits)						
Wear Ring (prior to 10/2013)	BRENCO®	USA Part Number Manufacture Date (Month and Last Two Year Digits)						
Spacer (prior to 7/2013)	BRENCO®	USA Part Number Manufacture Date (Month and Last Two Year Digits)						

\* The class-K cone assembly is interchangeable with those from AAR Approval #5, 5A class-F bearings. CLASS K CONE ASSEMBLIES MUST BE FROM 1997 PRODUCTION OR LATER.

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