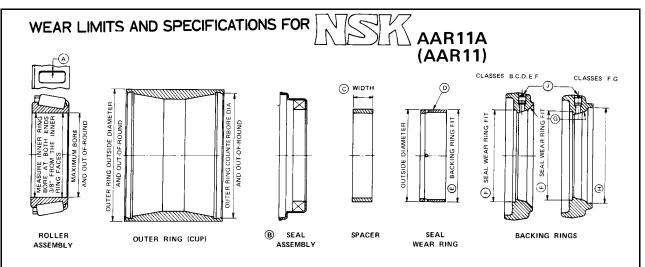
AAR Manual of Standards and Recommended Practices Roller Bearing Manual



CLASS AND SIZE			AMOUNT OF GREASE (OUNCES)							
	ROLLER A	SSEMBLY	OUTER RING			BACKING RING	EACH EACH			
	MAXIMUM BORE *	OUT-OF- ROUND	MINIMUM O. D.	C'BORE	OUT-OF- ROUND	MAXIMUM C'BORE	ROLLER ASSEMBLY	AROUND SPACER	TOTAL QUANTITY	
B (4¼ x 8)	4.0016"	0.003''	6.5000"	6.1447" 6.1413"	0.005"	-	2	4	8	
C (5 x 9)	4.6891"	0.003"	7.6875''	7.2864" 7.2831"	0.005"	_	3	6	12	
D (5½ x 10)	5.1891"	0.003''	8.1875"	7.7785" 7.7752"	0.005"	-	4	8	16	
E (6 x 11)	56891"	0.003''	8.6875"	8.2707'' 8.2669''	0.005"	-	4	8	16	
F (6½ x 12)	6.1891"	0.003"	9.9375''	9.4715'' 9.4677''	0.005′′	7.5300′′	6	12	24	
G (7 x 12)	7.0016"	0.003"	10.8750′′	10.3967" 10.3929"	0.005''	7.9980''	8	16	32	

^{*}Maximum dimensions listed should be reduced by 0.0005-inch.

OUTER RING O.D.

S-723

Minimum O.D. to be measured in adapter pad wear areas. If the outer ring is distorted in the area of the counterbore a close visual inspection of the inside and outside surfaces is required. Outer rings that have hair line cracks must be scrapped.

(A) CAGE INSPECTION

If the roller pocket of the cage is worn to the extent that an 0.070" feeler gage can be inserted between the roller and the cage bridge, the inner ring and roller assembly should not be returned to service.

(B) SEAL ASSEMBLY - SCRAP ALL SEALS

(C) BENCH LATERAL

A spacer must be selected or the spacer may be ground to provide the bearing bench lateral play specified below for the type of lateral measuring equipment used:

Power Operated Hand Operated

Classes B-C 0.021" to 0.027" 0.018" to 0.024" Classes D-E-F-G 0.023" to 0.029" 0.020" to 0.026"

(D) SEAL WEAR RING LIMIT

If the outside surface of the seal wear ring is cracked or scratched or if the lip contact path has worn to a depth of 0.005" (0.010" on diameter), the seal wear ring should be scrapped.

E SEAL WEAR RING FIT IN BACKING RING

The seal wear ring must have a tight fit in the backing ring counterbore.

(F) BACKING RING FIT ON SEAL WEAR RING

The counterbore of the backing ring must have a tight fit on the seal

(G) BACKING RING SIZE AND RADIUS (NON FITTED)

Backing rings that are bent or distorted must be scrapped. Check the backing ring size and the bore radius for proper axle fillet contact and excessive corrosion with the AAR gage as shown in the Roller Bearing

(H) BACKING RING – SIZE AND RADIUS (FITTED)

Check Major LD.

Check the vent fitting to see that it is not clogged, hardened, or damaged. Hardened or damaged vent fittings should be replaced. (Part number JB8177A).

PART NUMBERS-BEARING COMPONENTS

CLASS AND SIZE	AOLLER ASSEMBLY	OUTER RING (CUP)	SPACER	SFAL	SEAL WEAR HING	OLD STYLE BACKING RING	NEW STYLE BACKING BING	OLO STYLE END CAP	NEW STYLE END CAP	NONRI MOVABLE PLUG	LOCKING PLATE	CAP SCREWS
B (4'x x 8)	HM120848N	HM126817XDNA	HM120848N L	HM120817XDNA \$	JB5597	J85596	_	JB 2665	JR 7802	JB8392	JB8347B	JR4541A
C (5 x 9)	HM124646N	HM124618XDNA	HM124646N L	HM124618XDNA S	JB5590	JH5589		JB2661	JH 7803	JH8392	JB8347C	JB45318
D (5% x 10)	HM127446N	HM127415XENA	HM127446N L	HM127415XDNA S	JB5583	JR5582A	_	/B2655A	JB 7804	JR8393	JB8347D	JB4531B
E (6 x 11)	HM129848N	HM129814XDNA	HM129848N L	HM129814XIINA S	JB5593	JB5592	-	JB2563	JB 2805	JB8393	JB8347E	JB4539A
F (6': x 12)	HW133444NX	HM133416XDNA	HM133444N I	HM133416XDNA S	JB5606	J85605	JB5767	JB2670	JB 2806	JH8393	JB8347F	JB4542A
G (7 x 12)	fM136948N/X	HM136916XDNA	HM136948N L	HM136916XDNA S	JB5623	JB5622A	J85622A	JH7688	JB2807	JH8393	JB8347G	JB4561A

Do Not Interchange AAR Approval No. 11A or No. 11 Bearing Parts with AAR Approval No. 22 Bearing Parts.

Fig. 3.7.8 NSK wear limits and specifications AAR approval Nos. 11 and 11A Rule 3.7.2