



AEROSPACE INFORMATION REPORT	AIR4403™	REV. B
	Issued 1992-09 Revised 2012-05 Reaffirmed 2022-09	
Superseding AIR4403A		
(R) Selection, Testing, Lubrication, and Sealing of Single Row Tapered Roller Bearings for Aerospace Wheel Applications		

RATIONALE

AIR4403B has been reaffirmed to comply with the SAE Five-Year Review policy.

1. SCOPE

This SAE Aerospace Information Report (AIR) describes available technology and current aerospace industry practices used for the selection, testing, lubrication, and sealing of single row tapered roller bearings to reduce bearing damage as a problem in the aircraft industry.

2. REFERENCES

The following publications form a part of this document to the extent specified herein. The latest issue of SAE publications shall apply. The applicable issue of other publications shall be the issue in effect on the date of the purchase order. In the event of conflict between the text of this document and references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

2.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA) www.sae.org.

ARP813 Maintainability Recommendations for Aircraft Wheel and Hydraulically Actuated Brake Design

Dominik, W., "Rating and Life Formulas for Tapered Roller Bearings," SAE Technical Paper 841121, 1984, doi:10.4271/841121

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