



AEROSPACE RECOMMENDED PRACTICE

ARP5483™

REV. B

Issued 2003-07
Reaffirmed 2008-02
Revised 2017-07

Superseding ARP5483A

Rolling Element Bearing Test Methods

RATIONALE

ARP5483B is a five year review and update of this specification.

1. SCOPE

This SAE Aerospace Recommended Practice (ARP) establishes methods for testing airframe rolling element bearings. The purpose of ARP5483 and its associated slash sheets is to document test methods commonly used to evaluate airframe bearings. These test methods may be referenced in standards, purchase orders, etc. when the test is deemed appropriate to the intended use of the bearing by the end user of the bearing. These test methods are not intended to encompass every conceivable requirement for an airframe bearing. The end user of the bearing must exercise engineering judgment to determine the most appropriate standard and/or nonstandard tests for the application.

2. APPLICABLE DOCUMENTS

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 +1 724-776-4970 (outside USA), www.sae.org.

ARP5483/1	Rolling Element Bearing No-Load Torque Test
ARP5483/2	Rolling Element Bearing Hardness Test
ARP5483/3	Rolling Element Bearing Axial and Radial Internal Clearance
ARP5483/4	Rolling Element Test Method for Axial Limit and Fracture Load Testing
ARP5483/5	Rolling Element Bearing Test Method for Radial Limit and Fracture Load Testing
ARP5483/6	Rolling Element Bearing Test Method for Dimensional Stability

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