



AEROSPACE STANDARD

AS9058™**REV. D**

Issued 1999-08
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Stabilized 2015-02
Revised 2020-01

Superseding AS9058C

(R) Ring - Back-Up, Boss Connection, AMS3678/1 Material

RATIONALE

This standard has been transferred from E-25 to A-6 and has been updated with technical and editorial changes.

FOREWORD

The initial release of this document was intended to replace Military Specification MS9058D. Any part numbers established by the original specification remain unchanged.

1. SCOPE

This standard establishes the dimensional and visual quality requirements, lot requirements, and packaging and labeling requirements for back-up rings machined from AMS3678/1 polytetrafluoroethylene materials for use in AS5202 ports. It shall be used for procurement purposes.

1.1 Field of Application

These back-up rings have been used for static and light duty applications requiring dimensional stability up to 450 °F (232 °C) with good mechanical properties. Usage is not limited to such applications.

NOTES:

1. Each application should be considered individually.
2. Each user should make his own tests to determine the suitability for his own particular use.

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.

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Documents
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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.

AMS3678 Polytetrafluoroethylene (PTFE) Moldings and Extrusions Unfilled, Pigmented, and Filled

AMS3678/1 Type 1 - Virgin Polytetrafluoroethylene (PTFE) Moldings and Extrusions

AS5202 Port or Fitting End, Internal Straight, Thread, Design Standard

2.2 ASQ Publications

Available from American Society for Quality, 600 North Plankinton Avenue, Milwaukee, WI 53203, Tel: 800-248-1946 (United States or Canada), 001-800-514-1564 (Mexico) or +1-414-272-8575 (all other locations), www.asq.org.

ANSI/ASQ Z1.4 2003 (R2018) Sampling Procedures and Tables for Inspection by Attributes

2.3 ASME Publications

Available from ASME, P.O. Box 2900, 22 Law Drive, Fairfield, NJ 07007-2900, Tel: 800-843-2763 (U.S./Canada), 001-800-843-2763 (Mexico), 973-882-1170 (outside North America), www.asme.org.

ASME Y 14.5-2018 Dimensioning and Tolerancing

3. REQUIREMENTS

3.1 Material

The material shall be in accordance with AMS3678/1, Grade A or B as specified by the purchaser at time of order.

3.2 Dimensions

See Figure 1 and Tables 1A (imperial sizes) and 1B (metric sizes) for the dimensions of the back-up ring for each part number.