



AEROSPACE INFORMATION REPORT

AIR737™**REV. G**

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Superseding AIR737F

(R) Aerospace Hydraulic and Pneumatic Specifications, Standards,
Recommended Practices, and Information Reports

RATIONALE

This document has been revised following a Five-Year Review, removing cancelled documents and adding many new ones.

FOREWORD

The tables in this document were created automatically from a single database to ensure consistency and ease future updates, so the tables appear as completely revised.

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SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

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For more information on this standard, visit
<https://www.sae.org/standards/content/AIR737G/>

1. SCOPE

This SAE Aerospace Information Report (AIR) lists military and industry specifications, standards, recommended practices, and information reports applicable to aerospace hydraulic and pneumatic systems and components.

1.1 Purpose

This document is intended as a supplement to AS5440, ARP4752, ARP4925, ARP6200, AS4941, AS8775, and related documents.

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.

ARP4752	Aerospace - Design and Installation of Commercial Transport Aircraft Hydraulic Systems
ARP4925	Aerospace Design and Installation of Commercial Transport Helicopter Hydraulic Systems
ARP6200	Test Requirements and Means for Commercial Aircraft Hydraulic Systems
AS4941	Aerospace - General Requirements for Commercial Aircraft Hydraulic Components
AS5440	Hydraulic Systems, Military Aircraft, Design and Installation, Requirements For
AS8775	Hydraulic System Components, Aircraft and Missiles, General Specification For

2.2 U.S. Government Publications

United States Military Specifications and Standards (US MIL) - Copies of these documents are available online at <https://quicksearch.dla.mil>.

United States Department of Transportation (US DOT) - Copies of these documents are available online at <https://www.transportation.gov>.

2.3 Other Document Resources

AIA/NAS Publications - Copies of these documents are available online at <https://www.aia-aerospace.org>.

Airlines for America (A4A) Publications - Copies of these documents (MSG-3) are available online at <https://www.airlines.org>.

ANSI Accredited Publications - Copies of these documents are available online at <https://webstore.ansi.org/>.

ASTM Publications - Copies of these documents are available online at <https://www.astm.org>.

IEEE Publications - Copies of these documents are available online at <https://www.ieee.org>.

ISO Publications - Copies of these documents are available online at <https://webstore.ansi.org>.

MMPDS Handbook - Copies of the MMPDS Handbook are available online at <https://www.mmpds.org>.

3. DOCUMENT LISTING

3.1 Alphabetical Listing by Title

See Table 1.

NOTE: (1) indicates that the document should not be used for new designs.

Table 1 - Alphabetical listing by document title

Title	Number	Publisher
"D" Ring Seal for Shock Struts Molded From MIL-P-25732 Acrylonitrile Butadiene (NBR) Material	AS28772	SAE
8000 psi Hydraulic Systems: Experience and Test Results	AIR4002	SAE
90° Swivel Nut Assembly, Adapter, Hose to Tube, Reusable, Hydraulic, Fuel and Oil Lines	MS27224	US MIL
Accessory Drive, Aircraft Engine Reference Chart	MS3336	US MIL
Accumulator, Hydraulic, Cylindrical 3000 PSI, Aircraft	MIL-DTL-5498	US MIL
Accumulator, Hydraulic, Welded Bellows, Factory Pre-Charged	ARP4378	SAE
Accumulators, Ground, Hydropneumatic Pressure	ARP763	SAE
Achieving Cleanliness Standards for Aircraft Hydraulic Systems During Manufacture	ARP5891	SAE
Actuation System Data Summary for Missiles and Launch Vehicles	AIR1855	SAE
Actuators, Aeronautical, Linear Utility Hydraulic	MIL-PRF-5503	US MIL
Actuators: Aircraft Flight Controls, Power Operated, Hydraulic, General Specification for	ARP1281	SAE
Adapter Assembly, 45° Elbow, Swivel Flange to Hose	MS27056	US MIL
Adapter Assembly, 90° Elbow, Swivel Flange to Hose	MS27058	US MIL
Adapter Assembly, Flared, 45° Elbow, Tube to Hose with Swivel Nut	MS27055	US MIL
Adapter Assembly, Flared, 90° Elbow, Tube to Hose with Swivel Nut	MS27057	US MIL
Adapter Assembly, Flared, 90° Forged Elbow, Tube to Hose with Swivel Nut	MS27060	US MIL
Adapter Assembly, Flareless, 45° Elbow, Tube to Hose with Swivel Nut	MS27382	US MIL
Adapter Assembly, Reusable, Flexible Hose, Low Pressure	MIL-DTL-38726	US MIL
Adapter Assembly, Straight, Hose to Tube, Reusable, Hydraulic, Fuel and Oil Lines	MS24587	US MIL
Adapter Assembly, Straight, Swivel Flange to Hose	MS27054	US MIL
Adapter, Hose to Tube, Pipe and Flange, Reusable Hydraulic, Pneumatic, and Oil Lines	MIL-DTL-5070	US MIL
Aerospace - "P" clamps (loop clamps) for fluid systems - Envelope dimensions	ISO 7315	ISO
Aerospace - "Q" clamps (centre-mounted clamps) for fluid systems - Dimensions	ISO 8479	ISO
Aerospace - Accumulator, Hydraulic, Cylindrical, Piston Separated	ARP4379	SAE
Aerospace - Application Guide for Hydraulic Power Transfer Units	ARP1280	SAE
Aerospace - Aramid reinforced lightweight polytetrafluoroethylene (PTFE) hose assemblies, classification 135 degrees C/20 684 kPa (275 degrees F /3 000 psi) and 135 degrees C/21 000 kPa (275 degrees F/3 046 psi) - Procurement specification	ISO 23933	ISO
Aerospace - Chlorinated Solvent Contamination of MIL-H-5606/MIL-H-83282 Vehicle Hydraulic Systems	AIR4713	SAE
Aerospace - Clamps for fluid systems - Test methods	ISO 9679	ISO
Aerospace - Cleanliness classification for hydraulic fluids	ISO 11218	ISO
Aerospace - Commercial Aircraft Hydraulic Systems	AIR5005	SAE
Aerospace - Constant displacement hydraulic motors - General specifications	ISO 9206	ISO
Aerospace - Couplings, threaded and sealed, for fluid systems - Dimensions	ISO 7320	ISO
Aerospace - Design and Installation of Commercial Transport Aircraft Hydraulic Systems	ARP4752	SAE
Aerospace - Direct Drive Servovalves	ARP4493	SAE
Aerospace - Dynamic Test Method for Determining the Relative Degree of Cleanliness of the Downstream Side of Filter Elements	ARP599	SAE
Aerospace - Electrohydrostatic actuator (EHA) - Characteristics to be defined in procurement specifications	ISO 22072	ISO

Title	Number	Publisher
Aerospace - Evaluation of Particulate Contamination in Hydraulic Fluid - Membrane Procedure	ARP4285	SAE
Aerospace - Fitting end, 24° internal cone, external thread, flareless type extra fine thread pitch inch series - Design standard	ISO 19632	ISO
Aerospace - Fluid power circuits - Components - Expression of results of cleanliness measurements	ISO 12584	ISO
Aerospace - Fluid systems - Clamp blocks for tube lines having axial alignment - Design standard and qualification testing - Metric series	ISO 7661	ISO
Aerospace - Fluid systems - Dimensions of plastic protective caps and plugs	ISO 9634	ISO
Aerospace - Fluid systems - Hydraulic system tubing	ISO 8575	ISO
Aerospace - Fluid systems - Impulse testing of hydraulic hose, tubing and fitting assemblies	ISO 6772	ISO
Aerospace - Fluid systems - Interface of 24° cone metric couplings	ISO 7319	ISO
Aerospace - Fluid systems - Metal hose assemblies	ISO 7314	ISO
Aerospace - Fluid systems - Thermal shock testing of piping and fittings	ISO 6773	ISO
Aerospace - Fluid systems - Vocabulary - Part 1: General terms and definitions related to pressure	ISO 8625-1	ISO
Aerospace - Fluid systems - Vocabulary - Part 2: General terms and definitions relating to flow	ISO 8625-2	ISO
Aerospace - Fluid systems - Vocabulary - Part 3: General terms and definitions relating to temperature	ISO 8625-3	ISO
Aerospace - Fluid systems and components - Methods for system sampling and measuring the solid particle contamination of hydraulic fluids	ISO 5884	ISO
Aerospace - Fluid systems and components - Pressure and temperature classifications	ISO 6771	ISO
Aerospace - Gaseous oxygen replenishment connection for use in fluid systems (new type) - Dimensions (Inch series)	ISO 8775	ISO
Aerospace - General Requirements for Commercial Aircraft Hydraulic Components	AS4941	SAE
Aerospace - General Requirements for Hydraulic Fuse - Quantity Measuring	AS5466	SAE
Aerospace - General Requirements for Hydraulic Relief Valves	ARP4763	SAE
Aerospace - Graphic symbols for schematic drawings of hydraulic and pneumatic systems and components	ISO 5859	ISO
Aerospace - Hose assemblies in polytetrafluoroethylene (PTFE) for use up to 232 °C and 10 500 kPa - Technical specifications and requirements	ISO 10502	ISO
Aerospace – Hydraulic filter elements – Test methods – Part 1: Test sequence	ISO 14085-1	ISO
Aerospace – Hydraulic filter elements – Test methods – Part 2: Conditioning	ISO 14085-2	ISO
Aerospace – Hydraulic filter elements – Test methods – Part 3: Filtration efficiency and retention capacity	ISO 14085-3	ISO
Aerospace – Hydraulic filter elements – Test methods – Part 4: Verification of collapse/burst pressure rating	ISO 14085-4	ISO
Aerospace – Hydraulic filter elements – Test methods – Part 5: Resistance to flow fatigue	ISO 14085-5	ISO
Aerospace – Hydraulic filter elements – Test methods – Part 6: Initial cleanliness level	ISO 14085-6	ISO
Aerospace - Hydraulic power transfer units - General specifications	ISO 22089	ISO
Aerospace - Hydraulic system tubing - Qualification tests for bent tubes	ISO 8574	ISO
Aerospace - Hydraulic tubing joints and fittings - Planar flexure test	ISO 9538	ISO
Aerospace - Hydraulic, pressure compensated, variable delivery pumps - General requirements	ISO 8278	ISO
Aerospace - Impulse Testing of Hydraulic Components	ARP1383	SAE
Aerospace - Lightning Effects on Hydraulic Transport Elements on Aircraft	AIR6185	SAE
Aerospace - Lightweight polytetrafluoroethylene (PTFE) hose assemblies, classification 400 degrees F /3 000 psi (204 degrees C/20 684 kPa) and 204 degrees C/21 000 kPa (400 degrees F/3 046 psi) - Procurement specification	ISO 8913	ISO
Aerospace - Linear hydraulic utility actuator - General specifications	ISO 18387	ISO
Aerospace – Military Type Variable Delivery, Pressure Compensated Hydraulic Pump	AS19692	SAE
Aerospace - Omega clamps (saddle clamps) for fluid systems - Dimensions	ISO 8177	ISO
Aerospace - 'P' (loop style) clamps - Procurement specification	ISO 12319	ISO
Aerospace - Part numbering for hose assemblies	ISO 11639	ISO

Title	Number	Publisher
Aerospace - Passive Side Stick Unit, General Requirements for Fly by Wire Transport and Business	ARP6001	SAE
Aerospace - Pipelines - Identification	ISO 12	ISO
Aerospace - Polytetrafluoroethylene (PTFE) hose assemblies, classification 204 °C/28 000 kPa - Procurement specification	ISO 9938	ISO
Aerospace - Pressure re-oiling connection (new type)	ISO 9939	ISO
Aerospace - Separable tube fittings for fluid systems, for 24 degree cones, for pressures up to 3 000 psi or 21 000 kPa - Procurement specification, inch/metric	ISO 7169	ISO
Aerospace - Standard-weight polytetrafluoroethylene (PTFE) hose assemblies, classification 204 °C/21 000 kPa - Procurement specification	ISO 9528	ISO
Aerospace – System Integration Factors That Affect Hydraulic Pump Life	AIR1922	SAE
Aerospace - Terminology for clamping devices	ISO 16682	ISO
Aerospace - Test Methodology for Electrohydrostatic Actuators	ARP5879	SAE
Aerospace - Test methods for polytetrafluoroethylene (PTFE) inner-tube hose assemblies - Part 1: Metallic (stainless steel) braid	ISO 8829-1	ISO
Aerospace - Test methods for polytetrafluoroethylene (PTFE) inner-tube hose assemblies - Part 2: Non-metallic braid	ISO 8829-2	ISO
Aerospace - Tube fittings for fluid systems, 5 000 psi (35 000 kPa) - Qualification specification	ISO 19631	ISO
Aerospace - Tubing - Outside diameters and thicknesses - Metric dimensions	ISO 2964	ISO
Aerospace - Vehicle Management Systems - Flight Control Design, Installation and Test of, Military Unmanned Aircraft, Specification Guide For	ARP94910	SAE
Aerospace - Visual Inspection Standard for Elastomeric Sealing Elements Other than O-Rings	AS5752	SAE
Aerospace Active Inceptor Systems for Aircraft Flight and Engine Controls	ARP5764	SAE
Aerospace Auxiliary Power Sources	AIR744	SAE
Aerospace Design and Installation of Commercial Transport Helicopter Hydraulic Systems	ARP4925	SAE
Aerospace Fluid Power - Contamination Sensitivity - Considerations for Establishing Test Procedures for Flight Control Actuators	ARP5941	SAE
Aerospace Fluid Power - FAA Regulatory History - Transport Airplane Hydraulic Systems	AIR5696	SAE
Aerospace Fluid Power - Hydraulic Filter Elements - Method for Evaluating Dynamic Efficiency With Cyclic Flow	ARP4205	SAE
Aerospace Fluid Power – Materials and Characteristics of Flight Control Servoactuators of Various Aircraft	AIR4066	SAE
Aerospace Fluid Power - Waste Reduction Practices for Used Phosphate Ester Aviation Hydraulic Fluid	AIR5277	SAE
Aerospace Fluid Power Electrohydrostatic Module, Design, Performance and Test Recommendations	ARP6154	SAE
Aerospace fluid systems - Elastomer seals - Storage and shelf life	ISO 27996	ISO
Aerospace fluid systems - O-rings, inch series: Inside diameters and cross sections, tolerances and size-identification codes - Part 1: Close tolerances for hydraulic systems	ISO 16031-1	ISO
Aerospace fluid systems - O-rings, inch series: Inside diameters and cross-sections, tolerances and size-identification codes - Part 2: Standard tolerances for non-hydraulic systems	ISO 16031-2	ISO
Aerospace fluid systems - Test methods for tube/fitting assemblies	ISO 10583	ISO
Aerospace fluid systems - Vocabulary - Part 4: Control/actuation systems	ISO 8625-4	ISO
Aerospace fluid systems and components - Variable displacement hydraulic motors - General specifications	ISO 22181	ISO
Aerospace fluid systems and components - Vocabulary - Part 1: Hose assemblies	ISO 8153-1	ISO
Aerospace fluid systems and components - Vocabulary - Part 2: Fittings and couplings	ISO 8153-2	ISO
Aerospace Fly-by-Light Actuation Systems	AIR4982	SAE
Aerospace Hydraulic and Pneumatic Specifications, Standards, Recommended Practices, and Information Reports	AIR737	SAE
Aerospace Hydraulic Fluids Physical Properties	AIR1362	SAE

Title	Number	Publisher
Aerospace Hydraulic Pump Controls	AIR5872	SAE
Aerospace Hydraulics and Actuation Lessons Learned	AIR4543	SAE
Aerospace Microscopic Sizing and Counting of Particulate Contamination for Fluid Power Systems	AS598	SAE
Aerospace Military Aircraft Hydraulic System Characteristics	AIR1899	SAE
Aerospace Rod Scraper Gland Design Standard	AS4088	SAE
Aerospace Series - AC induction electric motor driven, variable delivery, hydraulic pumps - General requirements	ISO 18170	ISO
Aerospace series - Fluid, hydraulic, phosphate ester-base, fire resistant - Technical specification	ISO 9940	ISO
Aerospace series - O-ring grooves - Dimensions	ISO 23748	ISO
Aerospace series - Pipe coupling 8°30' - Dynamic beam seal end for elbows, tees and crosses - Geometric configuration	ISO 22433	ISO
Aerospace series - Pipe coupling 8°30' - Dynamic beam seal end for ferrule, welded - Geometric configuration	ISO 22431	ISO
Aerospace series - Pipe coupling 8°30' - Thread end - Geometric configuration	ISO 22436	ISO
Aerospace series - Titanium tube for 35 MPa operating pressure — Part 1: Inch series	ISO 18487-1	ISO
Aerospace Size Standard for O-Rings	AS568	SAE
Aerospace Size Standard for Oversize O-Rings	AS5798	SAE
Aerospace Systems Electrical Bonding and Grounding for Electromagnetic Compatibility and Safety	ARP1870	SAE
Aerospace, Slipper Seals, Selection for Fluid Power Applications	AIR1244	SAE
Aerospace-Hydraulic Switching Valve, Pressure or Pilot Operated	ARP4741	SAE
Aerospace-Particle Count Data Conversion and Extrapolation	AIR877	SAE
Aerospace-Solenoid Valve, Hydraulic, Three Way, Two Position, Direct Acting	ARP4945	SAE
Air in Aircraft Hydraulic Systems	AIR5829	SAE
Airborne Hydraulic and Control System Survivability for Military Aircraft	AIR1083	SAE
Aircraft - Connections for checking hydraulic systems by ground appliances - Threaded type	ISO 3174	ISO
Aircraft - Connections for starting engines by air	ISO 2026	ISO
Aircraft - Environmental test procedures for airborne fluid system components - Resistance to fire in designated fire zones	ISO 23935	ISO
Aircraft - Gravity filling orifices	ISO 102	ISO
Aircraft - Ground air-conditioning connections	ISO 1034	ISO
Aircraft - Ground pressure testing connections for pressure cabins	ISO 11	ISO
Aircraft - High pressure air charging valves	ISO 1023	ISO
Aircraft - High temperature convoluted hose assemblies in polytetrafluoroethylene (PTFE)	ISO 7313	ISO
Aircraft - Hydraulic components - Marking to indicate fluid for which component is approved	ISO 3323	ISO
Aircraft - Hydraulic tubing joints and fittings - Rotary flexure test	ISO 7257	ISO
Aircraft - Joints for connecting crew members' regulator masks to oxygen sources	ISO 5887	ISO
Aircraft - Liquid oxygen replenishment couplings - Mating dimensions	ISO 1465	ISO
Aircraft - Pressure refuelling connections	ISO 45	ISO
Aircraft - Pressure re-oiling connection	ISO 451	ISO
Aircraft - Tubing tolerances - Inch series	ISO 12573	ISO
Aircraft Actuation System Failure-Detection Methods	AIR5273	SAE
Aircraft ducting and piping - Profile dimensions for flanges of V-band couplings	ISO 2563	ISO
Aircraft Flight Control Systems Descriptions	AIR4094	SAE
Aircraft Hydraulic Start Motor	AS714	SAE
Aircraft Hydraulic Starter/Pumps	AS838	SAE
Aircraft Survivability	MIL-HDBK-2069	US MIL
Aircraft Survivability Terms	MIL-HDBK-2089	US MIL
Aircraft water-methanol pressure connections	ISO 485	ISO
Aluminum Alloy Tubing, Hydraulic, Seamless, Drawn, Round 1.0Mg - 0.60Si - 0.28Cu - 0.20Cr (6061-T4) Solution Heat Treated and Naturally Aged	AMS4081	SAE

Title	Number	Publisher
Aluminum Alloy Tubing, Hydraulic, Seamless, Drawn, Round 1.0Mg - 0.60Si - 0.28Cu - 0.20Cr (6061-T6) Solution and Precipitation Heat Treated	AMS4083	SAE
Aluminum Alloy, Seamless Drawn Tubing 1.0Mg - 0.60Si - 0.28Cu - 0.20Cr (6061-T6) Solution and Precipitation Heat Treated	AMS4082	SAE
American National Standard Dictionary for Technologies of Electromagnetic Compatibility (EMC), Electromagnetic Pulse (EMP), and Electrostatic Discharge (ESD)	IEEE C63.14	IEEE
Anodic Coatings for Aluminum and Aluminum Alloys	MIL-A-8625	US MIL
Anti Blow-By Design Practice for Cap Seals	AIR1243	SAE
Application Guide for Aerospace Hydraulic Motors	ARP4940	SAE
Application of Tungsten Carbide Coatings on Ultra High Strength Steels, High Velocity Oxygen / Fuel Process	AMS2448	SAE
Arresting Hook Installation, Land-Based Aircraft	ARP1538	SAE
Basic Requirements For Fiber Reinforced Plastic Type 3FC Composite Cylinders	DOT FRP-1	US DOT
Basic Requirements For Fully Wrapped Carbon-Fiber Reinforced Aluminum Lined Cylinder	DOT CFFC	US DOT
Body, Cluster Fitting, One Way, Flare	MS21953	US MIL
Body, Cluster Fitting, One Way, Internal Boss	MS21946	US MIL
Body, Cluster Fitting, Three Way Flareless	AS21945	SAE
Body, Cluster Fitting, Three Way, Internal Boss	MS21960	US MIL
Body, Cluster Fitting, Two Way 180° Flare	MS21955	US MIL
Body, Cluster Fitting, Two Way 180° Internal Boss	MS21958	US MIL
Body, Cluster Fitting, Two Way 90° Flare	MS21954	US MIL
Body, Cluster Fitting, Two Way 90° Internal Boss	MS21959	US MIL
Bolt, Cluster Fitting, Single Port Through Flare	MS21950	US MIL
Bolt, Cluster Fitting, Single Port-Flare (1)	MS21949	US MIL
Bolt, Universal Fitting	NAS551	AIA/NAS
Bonding, Electrical, and Lighting Protection, for Aerospace Systems	MIL-STD-464	US MIL
Bracket, Support Clamp	AS7431	SAE
Brake Control Systems, Antiskid, Aircraft Wheels Instructions for Preparation of Specifications for	MIL-B-8075	US MIL
Brake Systems, Wheel, Aircraft, Design of	MIL-B-8584	US MIL
Bubble-Point Test Method	ARP901	SAE
Calculations and Background Information Used to Specify the Dimensions in AS6235	AIR7358	SAE
Calculations to Determine Dimensions for Backup Rings to AS5781, AS5782, AS5860, AS5861	AIR6082	SAE
Cap or Plug – Protective, Plain Tube or Hole (1)	NAS816	AIA/NAS
Cap, Protective, Electrical Connector (1)	NAS813	AIA/NAS
Cap, Protective, Flared Fitting (1)	NAS814	AIA/NAS
Cap, Protective, Flared Fitting (1)	NAS817	AIA/NAS
Cap, Protective, Flared Tube and Hose Assembly (1)	NAS812	AIA/NAS
Capability Guidelines for Computer Controlled Test Equipment for Hydraulic Components	ARP4904	SAE
Caps and Plugs, Protective, Dust and Moisture Seal	NAS847	AIA/NAS
Chemical Conversion Coatings on Aluminum and Aluminum Alloys	MIL-DTL-5541	US MIL
Clamp Assembly, Saddle-Type, Cushion, General Specification For	NASM85449	AIA/NAS
Clamp Selection and Installation Guide	ARP1897	SAE
Clamp, Loop, Cushion, General Specification For	MIL-DTL-85052	US MIL
Cleanliness Requirements for Parts Used in Hydraulic Systems (1)	NAS1638	AIA/NAS
Coating, Thermal Spray High Velocity Oxygen/Fuel Process	AMS2447	SAE
Coatings, Electroless Nickel, Special Applications	MIL-DTL-32119	US MIL
Coiled Tubing - Corrosion Resistant Steel, Hydraulic Applications, Aerospace	ARP584	SAE
Coiled Tubing - Titanium Alloy, Hydraulic Applications, Aerospace	ARP4146	SAE
Cold Gas Systems, Missile or Projectiles Design, Installation, Tests and Requirements for	ARP1625	SAE
Commercial Aircraft Hydraulic System Sizing	ARP6277	SAE
Companion Document to MIL-STD-1916	MIL-HDBK-1916	US MIL

Title	Number	Publisher
Comparison of Hydraulic System Cleanliness Procedures and Requirements for Ten Aerospace Companies	AIR1918	SAE
Compendium of Gas Properties	AIR4093	SAE
Compressed non-breathing air for use in aircraft	ISO 2434	ISO
Compressor Units, Air/Gas, General Requirements for	AS26805	SAE
Connectors, Electrical, Circular Threaded, AN Type, General Specification	AS50151	SAE
Connectors, Electrical, Circular, Miniature, High Density, Quick Disconnect (Bayonet, Threaded and Breech Coupling), Environment Resistant, Removable Crimp and Hermetic Solder Contacts, General Specification for	MIL-DTL-38999	US MIL
Connectors, General Purpose, Electrical, Miniature Circular, Environment Resisting, 200 Degrees C Maximum Temperature (1)	NAS1599	AIA/NAS
Contamination Classification for Hydraulic Fluids	AS4059	SAE
Coupling Assemblies, Non-Locking Probe Style, Self-Aligning, Self-Sealing Disconnects	AS4251	SAE
Coupling Assembly, Hydraulic Self Sealing, Quick Disconnect	AS1709	SAE
Coupling Assembly, Hydraulic, Self-Sealing, Quick Disconnect, General Specification For	MIL-DTL-25427	US MIL
Coupling Assembly, Self-Sealing, One Side Only, Hydraulic	AS1896	SAE
Cumulative Damage Analysis for Hydraulic Hose Assemblies	SAE J1927 / 198810	SAE
Definition of Commonly Used Day Types (Atmospheric Ambient Temperature Characteristics Versus Pressure Altitude)	AS210	SAE
Definition, Recognition, Troubleshooting, and Repair of Aircraft Hydraulic System External Leakage	ARP6175	SAE
Degradation Limits of MIL-PRF-5606, MIL-PRF-83282, and MIL-PRF-87257 Hydraulic Fluids Used in Hydraulic Test Stands	AIR810	SAE
Description of Actuation Systems for Aircraft With Fly-By-Wire Flight Control Systems	AIR4253	SAE
Descriptions of Systems Integration Test Rigs (Iron Birds) For Aerospace Applications	AIR5992	SAE
Design Guidelines for Aircraft Mechanical Control Systems and Components	ARP5770	SAE
Design of Tubing Installations for Aerospace Hydraulic Systems	ARP994	SAE
Detail Specification Hose Assembly, Polytetrafluoroethylene, High Temperature, Medium Pressure, General Specification for	MIL-DTL-25579	US MIL
Determination of Hydraulic Pressure Drop	ARP24	SAE
Development Process - Aerospace Fly-By-Wire Actuation System	ARP5007	SAE
Dielectric Testing	MIL-STD-202	US MIL
Dissimilar Metals	MIL-STD-889	US MIL
Drive - Accessory, (127) 5.000 BC Round, QAD, Design Standard for	AS969	SAE
Drive - Accessory, (203.2) 10.000 BC Round, QAD, Design Standard for	AS971	SAE
Drive - Accessory, 8.000 BC Round, QAD, Design Standard For	AS970	SAE
Drive - Studded, Accessory, (127) 5.000 BC Round, Design Standard for	AS963	SAE
Drive - Studded, Accessory, (203.2) 8.000 BC Round, Design Standard for	AS965	SAE
Drive - Studded, Accessory, (254) 10.000 BC Round, Design Standard for	AS967	SAE
Drive - Studded, Accessory, 2.653 BC Square, Design Standard for	AS959	SAE
Drive - Studded, Accessory, 5.000 BC Square, Design Standard for	AS961	SAE
Duty Cycle Considerations for Electrohydrostatic Actuators	ARP6025	SAE
Elastomer Compatibility Considerations Relative to Elastomeric Selection	AIR786	SAE
Elastomer: Fluorocarbon (FKM) Rubber High-Temperature - Fluid Resistant Low Compression Set / 70 to 80 Type A Hardness For Products in Fuel Systems and Specific Engine Oil Systems	AMS3216	SAE
Electrical Power, Aircraft, Characteristics and Utilization of	MIL-STD-704	US MIL
Electrohydraulic Mechanical Feedback Servoactuators	ARP988	SAE
Electrohydraulic Servovalves	ARP490	SAE
Electroless Nickel Coatings	AMS-C-26074	SAE
Electroless Nickel Plating Low Phosphorus	AMS2405	SAE
Electromagnetic Interference Characteristics, Requirements for Equipment	MIL-STD-461	US MIL
Electronic Equipment, General Guidelines for	MIL-HDBK-454	US MIL
Environmental Engineering Considerations and Laboratory Test	MIL-STD-810	US MIL

Title	Number	Publisher
Evaluating Effectiveness of Filter Element Cleaning Methods	ARP725	SAE
Face Seal Gland Design, Static, O-Ring and Other Seals for Aerospace Hydraulic and Pneumatic Applications	AS6235	SAE
Filter and Disposable Element, Fluid Pressure, Hydraulic, 3 Micron Absolute, General Specification For	MIL-PRF-81836	US MIL
Filter and Filter Elements, Fluid Pressure, Hydraulic Line, 15 Micron Absolute and 5 Micron Absolute, Type II Systems, General Specification for	MIL-DTL-8815	US MIL
Filter and Filter Elements, Fluid Pressure, Hydraulic Line, 15 Micron Absolute and 5 Micron Absolute, Type II Systems, General Specification for (1)	MIL-F-8815	US MIL
Filter Element Cleaning Methods	AIR787	SAE
Filter Patch Testing Procedures for Aerospace Hydraulic Non-Rotating Equipment	ARP1302	SAE
Filter Unit, Fluid, Pressure MXU-408/M, Absolute 5 Micron, Hydraulic (1)	MIL-F-27656	US MIL
Fine Wire Mesh for Filter Elements	AIR888	SAE
Finishes, Coatings, And Sealants For The Protection Of Aerospace Weapons Systems	MIL-STD-7179	US MIL
Fire Protection Design Handbook for U.S. Navy Aircraft Powered by Turbine Engines	MIL-HDBK-221	US MIL
Fire Resistant Phosphate Ester Hydraulic Fluid for Aircraft	AS1241	SAE
Fire Testing of Flexible Hose, Tube Assemblies, Coils, Fittings, and Similar System Components	AS1055	SAE
Fire Testing of Fluid Handling Components for Aircraft Engines and Aircraft Engine Installations	AS4273	SAE
Fitting - Installation of Flared Tube, Straight Threaded Connectors, Design Standard for	MS21344	US MIL
Fitting Assembly, Ring Locked, Adapter, Flareless to Port, Extra Fine Threads, 5080 psi	AS5550	SAE
Fitting End, Bulkhead, Flared Tube Connection, Design Standard	AS4396	SAE
Fitting End, Flared, Tube Connection, Design Standard	AS4395	SAE
Fitting End, Standard Dimensions for Bulkhead Flareless Tube Connections	AS33515	SAE
Fitting End, Standard Dimensions for Flareless Tube Connection and Gasket Seal	AS33514	SAE
Fitting, Adapter, Port, Reducer	AS5172	SAE
Fitting, Adapter, Union, Flared to Boss	AS933	SAE
Fitting, Bushing, Port, Reducer	AS5173	SAE
Fitting, Connector, Multiple Fluid Pressure Line, Tee	AS5165	SAE
Fitting, Plug, Tube End, Flared	AS5168	SAE
Fitting, Port Plug and Bleeder	AS5169	SAE
Fitting, Sleeve, Flared	AS5176	SAE
Fitting, Tee, Internal Straight Thread Port	AS5192	SAE
Fitting, Tetrafluoroethylene, Hose, High Temperature, Medium Pressure, General Requirements for	MIL-DTL-27272	US MIL
Fitting, Union and Reducer, Flared	AS5174	SAE
Fitting, Union, Tube, .375 Bulkhead	AS5406	SAE
Fittings, 24 Degree Cone Flareless, Fluid Connection, 3000 psi	AS18280	SAE
Fittings, Axially Swaged Tube with Flareless Separable, Fluid System for Operating Pressures up to and Including 5080 psi (35 000 kPa), Specification for	AS5958	SAE
Fittings, Catalog of Flared, Flareless, Pipe Threaded, Port, Hose, and Other Type Tube Standard Connectors	AIR310	SAE
Fittings, Corrosion Resistant Steel, High Temperature, High Pressure (3000 PSI), Hydraulic And Pneumatic (Detail Specification)	MIL-DTL-83296	US MIL
Fittings, Installation in Straight Threaded Boss	AS758	SAE
Fittings, Installation of Flareless Tube – Straight Threaded Connectors	AS33566	SAE
Fittings, Tube, Fluid Systems, Separable, Beam Seal, 3000/4000 psi, General Specification for	AS85421	SAE
Fittings, Tube, Fluid Systems, Separable, High Pressure Dynamic Beam Seal, 5000/8000 psi, General Specification for	AS85720	SAE
Flange - Accessory, 10.000 BC Round, Design Standard for	AS968	SAE
Flange - Accessory, 2.653 BC Square, Design Standard for	AS960	SAE
Flange - Accessory, 5.000 BC Round, Design Standard for	AS964	SAE
Flange - Accessory, 5.000 BC Square, Design Standard For	AS962	SAE

Title	Number	Publisher
Flange - Accessory, 8.000 BC Round, Design Standard for	AS966	SAE
Flight Control Actuators - Dynamic Seals, Collection of Duty Cycle Data	ARP4895	SAE
Flight Critical Control Valves, Military Aircraft	ARP5796	SAE
Fluid power systems - O-rings - Part 1: Inside diameters, cross-sections, tolerances and designation codes	ISO 3601-1	ISO
Fluid power systems - O-rings - Part 2: Housing dimensions for general applications	ISO 3601-2	ISO
Fluid power systems - O-rings - Part 3: Quality acceptance criteria	ISO 3601-3	ISO
Fluidic Technology	ARP993	SAE
Fluorocarbon (FKM) Rubber High-Temperature-Fluid Resistant Low Compression Set 85 To 95	AMS3218	SAE
Fluorocarbon Elastomer (FKM) High Temperature / HTS Oil Resistant / Fuel Resistant Low Compression Set / 70 to 80 Hardness, Low Temperature Tg -22 °F (-30 °C) For Seals in Oil / Fuel / Specific Hydraulic Systems	AMS7287	SAE
Flying Qualities of Piloted Aircraft	MIL-STD-1797	US MIL
Flying Qualities of Piloted V/STOL Aircraft	MIL-F-83300	US MIL
Fuses, Aircraft Automatic Quantity-Measuring, Hydraulic (1)	MIL-DTL-5508	US MIL
Gas Actuators (Linear and Vane Rotary Type)	ARP777	SAE
Gas Motor	ARP719	SAE
Gas Power Servos and Reaction Control Systems	ARP739	SAE
Gaseous breathing oxygen supplies for aircraft	ISO 2046	ISO
Gasket, Metallic, Encased, Annular, Copper	AS35769	SAE
General Gland Design Criteria for Static and Dynamic O-Ring Seal Applications Specifically for Engines and Engine Control Systems	ARP1231	SAE
General Requirements for Hydraulic Fuse - Flow Rate	AS5467	SAE
General Requirements for Hydraulic System Reservoirs	AS5586	SAE
General Requirements for the Design and Testing of Civil Type Pressure Compensated, Variable Delivery Hydraulic Pumps	AS595	SAE
Gland Design Criteria and Dimensions for Dynamic Radial O-Ring Seal Applications Specifically for Engine and Engine Control Systems Operating at 1500 psi Max	ARP1233	SAE
Gland Design Criteria and Dimensions for Static Radial O-Ring Seal Applications Without Anti-Extrusion Devices Specifically for Engine and Engine Control Systems	ARP1232	SAE
Gland Design, Computation of Seal Squeeze and Gland Volume	ARP4727	SAE
Gland Design, O-Ring and Other Elastomeric Seals, Static Applications	AS5857	SAE
Gland Design, O-Ring and Other Seals	AS4716	SAE
Gland Design, Packings, Hydraulic, General Requirements For (1)	MIL-G-5514	US MIL
Gland Design: Nominal 3/8 Inch Cross Section for Compression-Type Seals	AS4832	SAE
Gland Design: Scraper, Landing Gear, Installation	AS4052	SAE
Graphic Symbols for Aircraft Hydraulic and Pneumatic Systems	AS1290	SAE
Grease, Aircraft, General Purpose Wide Temperature Range, NATO Code G-395	MIL-PRF-81322	US MIL
Grinding of HVOF Sprayed Tungsten Carbide Coatings Applied to High Strength Steels	AMS2449	SAE
Ground Support Equipment Hydraulic Systems, Design and Installation, Recommended Practices For	ARP4943	SAE
Guidelines and Methods for Conducting the Safety Assessment Process on Civil Airborne Systems and Equipment	ARP4761	SAE
Guidelines for Development of Civil Aircraft and Systems	ARP4754	SAE
Handbook of Hydraulic Metric Calculations	AIR1657	SAE
Handling and Installation Practice for Aerospace Hose Assemblies	AIR1569	SAE
High Pressure Pneumatic Compressors Users Guide For Aerospace Applications	AIR4994	SAE
Hose Assemblies Polytetrafluoroethylene, Aramid Fiber Reinforced, 5000 and 8000 psi, General Specification For	MIL-H-85800	US MIL
Hose Assemblies, Convolute Polytetrafluoroethylene Metallic Reinforced, High Temperature Medium Pressure, Aircraft	AS620	SAE
Hose Assembly and Tubing, Polytetrafluoroethylene, Cleaning Methods for	AS611	SAE
Hose Assembly, 3000 psi, PTFE, Flared, 45° to 45°, Heavyweight	AS630	SAE
Hose Assembly, 3000 psi, PTFE, Flared, 45° to 90°, Heavyweight	AS631	SAE
Hose Assembly, 3000 psi, PTFE, Flared, 90° to 90°, Heavyweight	AS632	SAE

Title	Number	Publisher
Hose Assembly, 3000 psi, PTFE, Flared, Straight to 45°, Heavyweight	AS628	SAE
Hose Assembly, 3000 psi, PTFE, Flared, Straight to 90°, Heavyweight	AS629	SAE
Hose Assembly, 3000 psi, PTFE, Flared, Straight to Straight, Heavyweight	AS627	SAE
Hose Assembly, 3000 psi, PTFE, Flareless, 45° to 90°, Heavyweight	AS625	SAE
Hose Assembly, 3000 psi, PTFE, Flareless, 90° to 90°, Heavyweight	AS626	SAE
Hose Assembly, 3000 psi, PTFE, Flareless, Straight to 45°, Heavyweight	AS622	SAE
Hose Assembly, 3000 psi, PTFE, Flareless, Straight to 90°, Heavyweight	AS623	SAE
Hose Assembly, 3000 psi, PTFE, Flareless, Straight to Straight, Heavyweight	AS621	SAE
Hose Assembly, 3000 psi, TFE, Flareless, 45° to 45°, Heavyweight	AS624	SAE
Hose Assembly, Convuluted Polytetrafluoroethylene, Metallic Reinforced, Low Pressure, Up to 400 °F, Aircraft	AS1227	SAE
Hose Assembly, Polytetrafluoroethylene, Heavy Duty, Metallic Reinforced, 400 °F, 5000 psi Hydraulic and Pneumatic	AS4098	SAE
Hose Assembly, Polytetrafluoroethylene, Metallic Braid Reinforced, 5080 psi (35 000 kPa), 400 °F (204 °C), Aircraft Hydraulic Systems	AS5960	SAE
Hose Assembly, Polytetrafluoroethylene, Metallic Reinforced, 3000 psi, 400 °F, Heavyweight, Hydraulic	AS604	SAE
Hose Assembly, Polytetrafluoroethylene, Metallic Reinforced, 3000 psi, 400 °F, Lightweight, Hydraulic and Pneumatic	AS1339	SAE
Hose Assembly, Polytetrafluoroethylene, Metallic Reinforced, 4000 psi, 400 °F, Heavy Duty, Hydraulic and Pneumatic	AS614	SAE
Hose Assembly, Polytetrafluoroethylene, Para-Aramid Reinforced, 3000/4000 psi, 275 °F, Standard Duty, Hydraulic, Aircraft Systems	AS1975	SAE
Hose Assembly, Polytetrafluoroethylene, Para-Aramid Reinforced, 5080 psi (35,000 kPa), 275 °F (135 °C), Aircraft Hydraulic Systems	AS5951	SAE
Hose Characteristics and Selection Chart	AIR797	SAE
Hose, Polytetrafluoroethylene, 450F, Medium Pressure (Detail Specification)	MIL-DTL-27267	US MIL
Hose, Polytetrafluoroethylene, High Temperature, High Pressure (3000 psi), Hydraulic And Pneumatic (Detail Specification)	MIL-DTL-83298	US MIL
Human Engineering	MIL-STD-1472	US MIL
Hydraulic and Pneumatic Retainers (Backup Rings), Polytetrafluoroethylene (PTFE) Resin	AS8791	SAE
Hydraulic Fluid, Fire Resistant Synthetic Hydrocarbon Base, Aircraft	MIL-PRF-83282	US MIL
Hydraulic Fluid, Fire Resistant, Low Temperature, Synthetic Hydrocarbon Base, Aircraft and Missile	MIL-PRF-87257	US MIL
Hydraulic Fluid, Petroleum Base, for Preservation and Operation	MIL-PRF-6083	US MIL
Hydraulic Fluid, Petroleum Base, Aircraft, Missile, and Ordnance (1)	MIL-PRF-5606	US MIL
Hydraulic Fluid, Rust Inhibited, Fire Resistant, Synthetic Hydrocarbon Base	MIL-PRF-46170	US MIL
Hydraulic Pump Minimum Inlet Pressure Test	ARP6249	SAE
Hydraulic System Components, Aircraft and Missiles, General Specification for	AS8775	SAE
Hydraulic System Diagrams and Associated Tables for Marine Vehicles	SAE J1780 / HRP4382	SAE
Hydraulic Systems, Aircraft, Design and Installation, Requirements for	AS5440	SAE
Hydraulic Systems, Manned Flight Vehicles, Type III Design, Installation and Data Requirements for, (1)	MIL-H-8891	US MIL
Hydrocarbon Fuel Resistant, Tube Fitting, O-Ring Molded From AMS-P-5315 Rubber	AS29512	SAE
Identification Marking of Rubber Products	MIL-STD-190	US MIL
Identification Marking of U.S. Military Property	MIL-STD-130	US MIL
Importance of Physical and Chemical Properties of Aircraft Hydraulic Fluids	AIR81	SAE
Impregnates for Cast or Powder Metal Components	MIL-I-17563	US MIL
Impregnation of Porous Metal Castings and Powdered Metal Components	MIL-STD-276	US MIL
Impulse Testing of Hydraulic Hose, Tubing, and Fitting Assemblies	AS603	SAE
Impulse Testing of Hydraulic Hose, Tubing, and Fittings Assemblies	ARP603	SAE
Indicator, Pressure AGU-3/A, Hydraulic, 0-4,000 PSI (1)	MIL-DTL-27190	US MIL
Indicator, Pressure, Hydraulic, 0-4,000 PSI (1)	MIL-I-7084	US MIL
Insert, Screw Thread, Coarse and Fine, Screw Locking, Helical Coil, CRES	NASM21209	AIA/NAS
Inspection of Aluminum Alloy Parts, Anodizing Process (1)	MIL-I-8474	US MIL

Title	Number	Publisher
Installation and Use of Equilateral Triangle Cross-Section Hydraulic O-Ring Seal Backup Rings (Dyna-Baks)	AIR1186	SAE
Installation Procedure and Torques for Fluid Connections	AS683	SAE
Integrated Rudder and Brake Pedal Unit, General Requirements for Fly-By Wire Transport and Business Aircraft	ARP6252	SAE
Investigation of PTFE "Melt" Phenomenon for High Pressure Hoses	AIR4092	SAE
Joints, Hydraulic Swivel	MIL-DTL-5513	US MIL
Joints, Hydraulic Swivel	MIL-J-5513	US MIL
Liquid Filter Ratings, Parameters and Tests	AIR887	SAE
Liquid Propellant Gas Generation Systems	AIR1343	SAE
Lock-Rod End (Key Type) (1)	NAS559	AIA/NAS
Long-Term Storage of Missile Hydraulic Systems	AIR974	SAE
Long-Term Storage Reliability of High Pressure Gas Containers for Pneumatic Actuation Systems	AIR4725	SAE
Lubricants, Liquid Fuels and Related Products; Methods of Testing	FED-STD-791	US MIL
M83461 O-Ring Molded From AMS-P-83461 Rubber	AS83461/1	SAE
Manufacturing and Inspection Standards for Preformed Packings (O-Rings)	AS871	SAE
Markings, Functions and Hazard Designations of Hose, Pipe, and Tube Lines for Aircraft Missile, and Space Systems (1)	MIL-STD-1247	US MIL
Metallic Materials Properties Development and Standardization Handbook	MMPDS	Batelle
Metallic Seal Rings for High Temperature Reciprocating Hydraulic Service	AIR1077	SAE
Methodology for Investigation of Flight Control System Anomalies	AIR5875	SAE
Methods for Evaluating Cryogenic Filters	ARP900	SAE
Methods, Locations and Criteria for System Sampling and Measuring the Solid Particle Contamination of Hydraulic Fluids	ARP5376	SAE
Military Handbook Rubber (1)	MIL-HDBK-149	US MIL
Missile Hydraulic Pumps	AIR560	SAE
Motor, Aircraft Hydraulic, Constant Displacement General Specification (1)	MIL-M-7997	US MIL
Motor, Alternating Current, 400-Cycle, 115/200-Volt System, Aircraft, General Specification for (1)	MIL-M-7969	US MIL
Motors, Aircraft Hydraulic, Constant Displacement General Specification for	AS7997	SAE
Motors, Direct Current, 28-Volt System, Aircraft, General Specification for (1)	MIL-M-8609	US MIL
NAS Documents, Preparation and Maintenance, in the Inch System of Units	NAS380	AIA/NAS
Nickel Plating (Electrodeposited)	AMS-QQ-N-290	SAE
Nipple Assembly 45°, Adapter, Hose to Tube, Reusable, Hydraulic, Fuel and Oil Lines	MS27225	US MIL
Nipple Assembly 90°, Adapter, Hose to Tube, Reusable, Hydraulic, Fuel and Oil Lines ¼ inch Through 2 Inch Tube Size	MS27223	US MIL
Nipple Subassembly, Flareless, Straight – With Swivel Nut	MS27386	US MIL
Nipple Subassembly, Straight, Swivel Flange	MS27062	US MIL
Nipple, Adapter, Hose to Tube, Reusable, Hydraulic, Fuel and Oil Lines 1 Through 2 Inch Tubing Sizes	MS24589	US MIL
Nipple, Adapter, Hose to Tube, Reusable, Hydraulic, Fuel and Oil Lines 3/16 Through 3/4 Inch Tubing Sizes	MS24588	US MIL
Nipple, Flareless, Tube to Hose – Swivel Nut	MS27391	US MIL
Nipple, Straight, Swivel Flange	MS27076	US MIL
Nipple, Subassembly, Flared, Straight – With Swivel Nut	MS27061	US MIL
Nitrogen for use in aircraft	ISO 2435	ISO
Nonmetallic Shaft-Coupling Details Engine Driven Accessories	MS14184	US MIL
Nut, Coupling, Flared	AS5175	SAE
Nut, Fitting, Bulkhead	AS5178	SAE
Nut, Fitting, Port	AS5179	SAE
Nut, Fitting, Retained	AS4370	SAE
Nut, Flared, Long	AS5206	SAE
Nut, Jam, Drilled and Undrilled	NAS509	AIA/NAS
Operator/Manufacturer Scheduled Maintenance Development, Volume 1 - Fixed Wing Aircraft	A4A MSG-3 Volume 1	A4A

Title	Number	Publisher
Operator/Manufacturer Scheduled Maintenance Development, Volume 2 - Rotorcraft	A4A MSG-3 Volume 2	A4A
Organizational, Intermediate and Depot Maintenance Aviation Hose and Tube Manual	NAVAIR 01-1A-20	US MIL
Organizational, Intermediate and Depot Maintenance Aviation Hydraulics Manual	NAVAIR 01-1A-17	US MIL
O-Ring Groove Design for Packing Preformed, Elastomeric O-Ring Seals, Static, Axial Compression, Metric	MAP3439	SAE
O-Ring Groove Design for Packing Preformed, Elastomeric O-Ring Seals, Static, Radial Squeeze, Metric	MAP3440	SAE
O-Ring Machined from AMS3617 Material	AS9772	SAE
O-Ring Machined from AMS3650 Material	AS9770	SAE
O-Ring Machined from AMS3668 Material	AS9955	SAE
O-Ring Molded From AMS7287 Material	AS83485	SAE
O-Ring Molded From AMS7259 Material	AS83248/2	SAE
O-Ring Molded from AMS7267 Material, Metric	MA3442	SAE
O-Ring Molded from AMS7267 Silicone (VMQ) Rubber	AS9386	SAE
O-Ring Molded From AMS7268 (Silicone) Material	AS5728	SAE
O-Ring Molded from AMS7270 Butadiene-Acrylonitrile (NBR) Rubber Material	AS3569	SAE
O-Ring Molded from AMS7272 Butadiene-Acrylonitrile Rubber (NBR)	AS3551	SAE
O-Ring Molded from AMS7273 Fluorosilicone (FVMQ) Rubber Material	AS9967	SAE
O-Ring Molded from AMS7273 Material, Metric	MA3434	SAE
O-Ring Molded from AMS7274 Material	AS3570	SAE
O-Ring Molded From AMS7276 Material	AS83248/1	SAE
O-Ring Molded from AMS7276 Material, Metric	MA3352	SAE
O-Ring Molded from AMS7287 Material, Metric	MA3445	SAE
O-Ring Molded From AMS7379 Fluorocarbon (FKM) Material	AS5729	SAE
O-Ring Molded from AMS7601 Butyl Rubber	AS7985	SAE
O-Ring Molded From AMS-R-7362 Nitrile Rubber	AS29561	SAE
O-Ring, Molded From AMS7379 Rubber For Use With AS5202 Ports	AS6203	SAE
O-Ring, Straight Thread Tube Fitting Boss Molded From AMS-P-5510 Rubber	AS28778	SAE
O-Rings Molded From AMS7361 Ethylene Propylene Rubber For Static Applications	AS7217	SAE
Packing, Ethylene Propylene Preformed O-Ring Phosphate Ester Resistant (-65°F to 250/300°F)	NAS1611	AIA/NAS
Packing, Ethylene Propylene Preformed, O-Ring Phosphate Ester Resistant, Straight Thread Tube Fitting Boss (-65°F to 250/300°F)	NAS1612	AIA/NAS
Packing, Preformed – AMS 7276 – Seal	AS3208	SAE
Packing, Preformed – AMS 7276 – ‘O’ Ring	AS3209	SAE
Packing, Preformed – AMS7280 – Seal	AS3084	SAE
Packing, Preformed – AMS7280, ‘O’ Ring	AS3085	SAE
Packing, Preformed – O-Ring Seal AMS3304	AS3582	SAE
Packing, Preformed – O-Ring Seal AMS7259	AS3581	SAE
Packing, Preformed – O-Ring Seal AMS7271	AS3578	SAE
Packing, Preformed – O-Ring Seal, Standard Sizes and Size Codes, Metric	MA2010	SAE
Packing, Preformed, Hydrocarbon Fuel Resistant, “O” Ring	AS29513	SAE
Packing, Preformed, MS28775 O-Ring	AS28775	SAE
Packing, Preformed, O-Ring Molded from Perfluoroether, FFO Material	AS6058	SAE
Packing, Preformed, Petroleum Hydraulic Fluid Resistant, Improved Performance at 275°F (135°C)	AMS-P-83461	SAE
Packing, Preformed, Petroleum Hydraulic Fluid Resistant, Limited Service at 275 Deg. F (135 Deg C) (1)	MIL-PRF-25732	US MIL
Packing, Preformed, Straight Thread Tube Fitting Boss, Type I Hydraulic (-65 Deg. To 160 Deg. F)	MIL-P-5510	US MIL
Petrolatum, Technical (1)	VV-P-236	US MIL
Physical & Performance Tests for Type II (-65 to 275 F) O-Ring Packings, 3000 psi Hydraulic Service	ARP820	SAE
Pin, Expansion – Aluminum, 2024-T4 and 2024-T351, Long (UNS A92024)	AS3122	SAE

Title	Number	Publisher
Pin, Expansion – Aluminum, 2024-T4 and 2024-T351, Short, UNS A92024	AS3124	SAE
Pin, Expansion – CRES, 303, Long, UNS S30300	AS3130	SAE
Pin, Expansion – CRES, 303, Short, UNS S30300	AS3132	SAE
Pin, Expansion – CRES, 416 or 416SE, Long, UNS S41600/UNS S41623	AS3126	SAE
Pin, Expansion – CRES, 416 or 416SE, Short, UNS S41600/UNS S41623	AS3128	SAE
Pins, Spring, Functional Limitations of	NASM33547	AIA/NAS
Pipe Threads, Taper, Aeronautical National Form, Symbol ANPT – Design and Inspection Standard	AS71051	SAE
Placarding of Aircraft Hydraulic Equipment to Identify Phosphate Ester Fluid Compatibility	ARP1288	SAE
Plate, Identification Aircraft (1)	MIL-P-6906	US MIL
Plating, Cadmium (Electrodeposited)	AMS-QQ-P-416	SAE
Plating, Chromium	AMS2460	SAE
Plating, Chromium Hard Deposit	AMS2406	SAE
Plating, Chromium, Porous	AMS2407	SAE
Plating, Electroless Nickel	AMS2404	SAE
Plating, Immersion Tin for Aluminum Alloys	AMS2409	SAE
Plating, Nickel Hard Deposit	AMS2423	SAE
Plating, Nickel Low-Stressed Deposit	AMS2424	SAE
Plating, Nickel, General Purpose	AMS2403	SAE
Plating, Nickel-Thallium-Boron or Nickel-Boron Electroless Deposition	AMS2433	SAE
Plating, Silver Copper Strike, Low Bake	AMS2412	SAE
Plating, Silver for High Temperature Applications	AMS2411	SAE
Plating, Silver, Nickel Strike, High Bake	AMS2410	SAE
Plating, Silver-Rhodium	AMS2413	SAE
Plating, Tin	AMS2408	SAE
Plug, Expansion – Aluminum, 2024-T4 and 2024-T351, Long; Std and .010 Oversize Diameters (UNS A92024)	AS3121	SAE
Plug, Expansion – Aluminum, 2024-T4 and 2024-T351, Short; Std and .010 Oversize Diameters, UNS A92024	AS3123	SAE
Plug, Expansion – CRES, 303, Long, Std and .010 Oversize Diameters, UNS S30300	AS3129	SAE
Plug, Expansion – CRES, 303, Short; Std and .010 Oversize Diameters, UNS S30300	AS3131	SAE
Plug, Expansion – CRES, 416 or 416SE, Long; Std and .010 Oversize Diameters, UNS S41600/UNS S41623	AS3125	SAE
Plug, Expansion – CRES, 416 or 416SE, Short; Std and .010 Oversize Diameters, UNS S41600/UNS S41623	AS3127	SAE
Plug, Machine Threaded “O” Ring Seal (1)	MS9015	US MIL
Plug, Protective, Electrical Connector (1)	NAS820	AIA/NAS
Plug, Protective, Flared Hose or Tube Assembly (1)	NAS815	AIA/NAS
Plug, Protective, Flared Tube, Hose Assembly or AS5202 Boss (1)	NAS818	AIA/NAS
Pneumatic System Components, Aeronautical, General Specification for (1)	MIL-P-8564	US MIL
Pneumatic Systems, Aircraft, Design and Installation, General Requirements (1)	MIL-P-5518	US MIL
Polymeric Bearings for Linear Actuators	ARP7204	SAE
Polytetrafluoroethylene (PTFE) tubing for aerospace applications – Methods for the determination of the density and relative density	ISO 7258	ISO
Port – Ring Locked Fluid Connection Type 8000 psi – Design Standard	AS4201	SAE
Port – Ring Locked Fluid Connection Type, Standard Dimensions for	AS1300	SAE
Port or Fitting End, Internal Straight Thread, Design Standard	AS5202	SAE
Power Sources for Fluidic Controls	AIR1245	SAE
Preferred Methods for Acceptance of Product (DOD)	MIL-STD-1916	US MIL
Pre-stressing (Autofrettaging) of Hydraulic Tubing Lines	AIR1379	SAE
Primary Flight Control Hydraulic Actuation System Interface Definition	AIR4922	SAE
Procedure and Method for Conducting Test of Hydraulic Components in Contamination Controlled System	ARP219	SAE
Procedure for Inspection of Inservice Airborne Accumulators for Corrosion and Damage	ARP4150	SAE

Title	Number	Publisher
Procedure for the Determination of Particulate Contamination in Hydraulic Fluids by the Control Filter Gravimetric Procedure	ARP785	SAE
Propellant Pressurizing Agent, Helium	MIL-PRF-27407	US MIL
Propellant Pressurizing Agent, Nitrogen	MIL-PRF-27401	US MIL
Protection of Fluid Lines and Equipment (1)	NAS810	AIA/NAS
Pump Unit, Hydraulic, Electric Motor Driven Fixed Displacement (1)	MIL-P-5954	US MIL
Pump Units, Hydraulic, Electric Motor Driven, Variable Delivery	AS5994	SAE
Pump, Hydraulic, Ram, Hand Driven (1)	MIL-P-5515	US MIL
Recommendations for Installation of Seals in Standard Glands	ARP5555	SAE
Recommended Design and Test Requirements for Hydraulic Check Valves	ARP4946	SAE
Recommended Design and Test Requirements for Hydraulic Flow Regulators	ARP7212	SAE
Recommended Design and Test Requirements for Hydraulic Thermal Expansion Relief Valves	ARP4835	SAE
Recommended Guidelines for the Specifications of Motor Control Electronics for Electrically Powered Actuators	ARP7490	SAE
Reducers, Pneumatic Pressure, Missile	AS1297	SAE
Reservoirs, Air, Nonshatterable Steel (1)	MIL-R-8573	US MIL
Reservoirs, Aircraft and Missile, Hydraulic, Separated Type (1)	MIL-R-8931	US MIL
Retainer, Packing Backup, Continuous Ring, Tetrafluoroethylene (1)	MS27595	US MIL
Retainer, Packing Backup, Single Turn Tetrafluoroethylene (1)	MS28774	US MIL
Retainer, Packing, Back-Up, Teflon (1)	MS28782	US MIL
Retainer, Packing, Back-Up, Tetrafluoroethylene, Straight Thread Fitting Boss (1)	MS28773	US MIL
Retainers (Backup Rings), Hydraulic and Pneumatic, Polytetrafluoroethylene Resin, Single Turn, Scarf-Cut, For Use in AS4716 Glands	AS5781	SAE
Retainers (Backup Rings), Hydraulic and Pneumatic, Polytetrafluoroethylene Resin, Single Turn, Scarf-Cut, For Use in AS5857 Static Glands	AS5860	SAE
Retainers (Backup Rings), Hydraulic and Pneumatic, Polytetrafluoroethylene Resin, Solid, Un-Cut, For Use in AS4716 Glands	AS5782	SAE
Retainers, (Back-Up Rings), Hydraulic and Pneumatic, Polytetrafluoroethylene Resin, Solid, Un-Cut, for Use in Static Glands to AS5857	AS5861	SAE
Ring – Back-Up, Boss Connection, AMS3678/1 Material	AS9058	SAE
Ring, Gasket, Back-Up, PTFE (1)	MS28783	US MIL
Rubber Products, Terms for Visible Defects	MIL-STD-177	US MIL
Rubber, Ethylene-Propylene, Hydrazine Resistant, O-Rings Sizes and Tolerances	AMS-R-83412/1	SAE
Rubber, Fluorosilicone Elastomer, Oil- and Fuel- Resistant, Sheets, Strips, Molded Parts, and Extruded Shapes	MIL-DTL-25988	US MIL
Rubber: Fluorocarbon (FKM) High Temperature – Fluid Resistant Low Compression Set/70 to 80 Type A Hardness For Seals in Fuel Systems and Specific Engine Oil Systems	AMS7276	SAE
Rubber: Fluorocarbon (FKM), High Temperature/Fluid Resistant, Low Compression Set/85 to 95 Hardness, For Seals in Fuel Systems and Specific Engine Oil Systems	AMS7259	SAE
Rubber: Fluorocarbon Elastomer (FKM) Aircraft Engine Oil, Fuel and Hydraulic Fluid Resistant 70 to 80 Shore Type A Hardness Low Temperature Sealing Tg -47 °F (-43.9 °C) for Elastomeric Seals in Aircraft Engine, Fuel and Hydraulic Systems	AMS7410	SAE
Rubber: Fluorocarbon Elastomer (FKM) Low Temperature Sealing Tg -40 °F (-40 °C) 70 to 80 Type 'A' Hardness For Elastomeric Seals in Aircraft Engine Oil, Fuel and Hydraulics Systems	AMS7379	SAE
Safety Cable, Safety Wire, Key Washers, and Cotter Pins for Propulsion Systems, General Practices for Use of	AS567	SAE
Safety Wiring, Safety Cabling, Cotter Pinning, General Practices	NASM33540	AIA/NAS
Scraper, Installation Packing, Gland Ring (1)	MS33675	US MIL
Scraper, Piston Rod (1)	MS28776	US MIL
Screw Threads – UNJ Profile, Inch Controlled Radius Root with Increased Minor Diameter	AS8879	SAE
Screw Threads, Standard, Optimum Selected Series: General Specification (1)	MIL-S-7742	US MIL
Seal Element, Packing, Preformed, Ethylene Propylene Rubber	NAS1613	AIA/NAS

Title	Number	Publisher
Seal, Bonded, 302 Corrosion Resistant Steel, AMS5516, Mold in Groove, Fluorocarbon Rubber, AMS7276	AS27196	SAE
Seal, Bonded, 302 Corrosion Resistant Steel, AMS5516, Mold in Groove, Fluorosilicone Rubber, MIL-DTL-25988	AS27198	SAE
Seal, Bonded, 302 Corrosion Resistant Steel, AMS5516, Mold In Groove, Silicone Rubber, AMS7268	AS27197	SAE
Seal, Bonded, Aluminum Alloy 6061-T6, AMS4027, Mold In Groove, NBR Rubber, AMS-P-5315	AS27194	SAE
Seal, Bonded, Aluminum Alloy 6061-T6, AMS4027, Mold In Groove, NBR Rubber, AMS-R-7362	AS27195	SAE
Sealing and Coating Compound, Corrosion Inhibitive	MIL-PRF-81733	US MIL
Sealing Techniques for Missile Applications	ARP1833	SAE
Secondary Filters for Fluid System Reliability	AIR4057	SAE
Selection and Application of Polytetrafluoroethylene (PTFE and TFE) Backup Rings for Hydraulic and Pneumatic Fluid Power Applications	ARP1802	SAE
Selection of Metallic Spring Energized Seals for Aerospace	AIR6079	SAE
Self-Displacing Hydraulic Accumulator	ARP4553	SAE
Sensitization and Corrosion in Stainless Steel Filters	AIR844	SAE
Service Damage Limits for Aircraft Hydraulic Tubing	AIR1388	SAE
Shackle-Chain, Forged Carbon Steel, Screw Pin (For Ground Support Equipment)	NAS1043	AIA/NAS
Shoulder – Designed for 45° and 90° Swivel Nut Hose to Tube Adapters, Reusable, Hydraulic, Fuel and Oil Lines	MS27236	US MIL
Sleeve, Hose Coupling	MS27070	US MIL
Socket, Adapter, Hose to Tube, Reusable, Hydraulic, Fuel and Oil Lines 3/16 Through 3/4 Inch Tubing Size	MS24590	US MIL
Socket, Adapter, Hose to Tube, Reusable, Hydraulic, Fuel and Oil Lines, 1 Through 2 Inches Tubing Size	MS24591	US MIL
Socket, Hose Coupling	MS27069	US MIL
Solenoid, Electrical General Specification (1)	MIL-S-4040	US MIL
Solenoid, Electrical, General Specification for	AS40401	SAE
Specification Guide for Power Drive Units (PDUs)	ARP5384	SAE
Spline Details – Drives Pads and Accessory Flange, Design Standard (1)	MS3335	US MIL
Spline Details, Accessory Drives and Flanges	AS972	SAE
Standard General Requirements for Safe Design and Operation of Pressures Missile and Space	MIL-STD-1522	US MIL
Standard Specification for Electrodeposited Coatings of Silver for Engineering Use	ASTM B700	ASTM
Standard Specification for Electrodeposited Coatings of Tin	ASTM B545	ASTM
Standard Specification for Electrodeposited Coatings of Zinc on Iron and Steel	ASTM B633	ASTM
Standard Specification for Pig Tin	ASTM B339	ASTM
Standard Specification for Steel Wire, Cold-Drawn for Mechanical Springs	ASTM A227/A227M	ASTM
Standard Specification for Vitriified Clay Pipe, Extra Strength, Standard Strength, and Perforated	ASTM C700	ASTM
Starter, Pneumatic, Aircraft Engine, General Specification for	AS943	SAE
Static Axial O-Ring Seal Applications Without Anti-Extrusion Devices for Engine and Engine Control Systems	ARP1234	SAE
Steel, Corrosion and Heat-Resistant, Welded and Drawn or Seamless and Drawn Tubing 9.0Mn – 20Cr – 6.5Ni – 0.28N High-Pressure Hydraulic	AMS5561	SAE
Steering System: Aircraft, General Requirements	MIL-S-8812	US MIL
Storage of Elastomer Seals and Seal Assemblies Which Include an Elastomer Element Prior to Hardware Assembly	AS5316	SAE
Straight Thread Tube Fitting Boss O-Ring Molded From AMS-P-83461 Acrlonitrile Butadiene Rubber	AS83461/2	SAE
Surface Treatments and Inorganic Coatings for Metal Surfaces of Weapon Systems	MIL-DTL-5002	US MIL
Switches, Pressure, (Absolute, Gage, And Differential), General Specification for (Detail Specification)	MIL-DTL-9395	US MIL
Switches, Pressure, Bulkhead Mounted, Aircraft, General Specification	MIL-PRF-8932	US MIL

Title	Number	Publisher
Swivel Nut Assembly 45°, Adapter, Hose to Tube, Reusable, Hydraulic, Fuel and Oil Lines	MS27226	US MIL
Tee – Universal – Flareless (1)	NAS1240	AIA/NAS
Tee Universal	NAS555	AIA/NAS
Terminology and Definitions for Aerospace Fluid Power, Actuation and Control Technologies	ARP4386	SAE
Test Requirements and Means for Commercial Aircraft Hydraulic Systems	ARP6200	SAE
Test Requirements and Methods for Aircraft Hydraulic and Emergency Pneumatic Systems	MIL-STD-5522	US MIL
Test Stand, Aircraft Hydraulic System, Trailer-Mounted A/M27T-2, Electric-Motor-Driven, Triple System (1)	MIL-T-26398	US MIL
Test, Impact, Shock Absorber Landing Gear, Aircraft (1)	MIL-T-6053	US MIL
Titanium Alloy Tubing, Seamless, Hydraulic, 3.0Al-2.5V, Cold Worked, Stress Relieved	AMS4944	SAE
Titanium Alloy Tubing, Seamless, Hydraulic, 3Al - 2.5V, Controlled Contractile Strain Ratio, Cold Worked, Stress Relieved	AMS4945	SAE
Titanium Alloy Tubing, Seamless, Hydraulic, 3Al - 2.5V, Texture Controlled Cold Worked, Stress Relieved	AMS4946	SAE
Top Visual Quality (TVQ) O-Ring Packings and Gaskets – Surface Inspection Guide and Acceptance Standard	AS708	SAE
Transmitter, Pressure, Hydraulic, Type MJ-1 (1)	MIL-T-25307	US MIL
Transmitters, Pressure, Synchro, Aircraft (1)	MS28005	US MIL
Trimmable Horizontal Stabilizer Actuator Descriptions	AIR6052	SAE
Tube Bend Radii	AS33611	SAE
Tubing End - Double Flare, Standard Dimensions for	AS33583	SAE
Tubing, Flared, Standard Dimensions for, Design Standard	AS4330	SAE
Tubing, Steel, Corrosion Resistant (530400), Aerospace Vehicle Hydraulic System, 1/8 Hard Condition	AMS-T-6845	SAE
Tubing, Steel, Corrosion-Resistant (18-8 Stabilized) Aircraft Hydraulic Quality (1)	MIL-T-8808	US MIL
Tubing, Steel, Corrosion-Resistant (304), Aerospace Vehicle Hydraulic Systems, Annealed, Seamless and Welded (1)	MIL-T-8504	US MIL
Union, Nipple	MS27071	US MIL
Use of HVOF Thermal Spray Coatings for Hard Chrome Replacement in Landing Gear Applications	ARP5935	SAE
Utility System Characterization, An Overview	AIR5428	SAE
Validation and Verification Process Steps for Monitors Development in Complex Flight Control and Related Systems	ARP6539	SAE
Valve – Hydraulic Dual Thermal Expansion Relief (1)	MS28016	US MIL
Valve, 3,000 PSI Hydraulic Check, Flareless, Type II Systems (1)	MS28892	US MIL
Valve, Air Vent, Automatic, Hydraulic, Low Pressure Type II Systems, General Specification For	MIL-V-29592	US MIL
Valve, Aircraft Power Brake (1)	MIL-V-5525	US MIL
Valve, Aircraft, Hydraulic Flow Regulator (1)	MS28886	US MIL
Valve, Check, Controllable, Plunger-Type, Hydraulic, 3,000 PSI Type II Systems (ASG) (1)	MS28768	US MIL
Valve, Check, Controllable, Rotary-Action, Hydraulic, 3,000 PSI Type II Systems	MS28764	US MIL
Valve, Check, Hydraulic, Flared, 3,000 PSI, Type II Systems	MS28771	US MIL
Valve, Check, Low Pressure, Internal Threads	MS28050	US MIL
Valve, Check, Hydraulic, Internal Ports, 3,000 PSI, Type III Systems	MS28765	US MIL
Valve, Hydraulic Check, 3000 PSI, Flareless, Type I Systems (1)	MS28890	US MIL
Valve, Hydraulic Relief, Cylindrical, Type II Systems (1)	MS28893	US MIL
Valve, Relief, Hydraulic, High Response, Type II Systems, General Specification For	MIL-V-85245	US MIL
Valve, Sampling and Bleed, Hydraulic, Type II Systems 37° Flare Fitting	MIL-V-81940	US MIL
Valve, Shuttle, Hydraulic Internal Thread Tube Fitting Outlet, 3000 PSI, Type II Systems (1)	MS28767	US MIL
Valve, Shuttle, Hydraulic, Direct Mounting, 3000 PSI Type II Systems (1)	MS28766	US MIL
Valve; Aircraft, Pneumatic, High-Pressure Charging	MIL-PRF-6164	US MIL
Valves, Aircraft Hydraulic Flow Regulator (1)	MIL-V-8566	US MIL

Title	Number	Publisher
Valves, Aircraft, Hydraulic Pressure Relief, Type II System (1)	MIL-V-8813	US MIL
Valves, Aircraft, Hydraulic Thermal Expansion Relief (1)	MIL-V-5527	US MIL
Valves, Check, Controlled, Hydraulic, Aircraft, Type II Systems (1)	MIL-V-19067	US MIL
Valves, Check, Hydraulic, Aircraft Type I Systems (1)	MIL-V-5524	US MIL
Valves, Check, Hydraulic, Aircraft, Type II Systems (1)	MIL-V-19069	US MIL
Valves, Check, Miniature, Hydraulic, Aircraft and Missile (1)	MIL-PRF-25675	US MIL
Valves, Regulating Fluid Pressure (1)	MIL-V-5519	US MIL
Valves, Shuttle, Hydraulic, Aircraft, Type II Systems (1)	MIL-DTL-19068	US MIL
Valves, Shuttle, Hydraulic, Aircraft, Type II Systems (1)	MIL-V-19068	US MIL
Vehicle Management Systems - Flight Control Function, Design, Installation and Test of Piloted Military Aircraft, General Specification for	AS94900	SAE
Visual Inspection Guide for Rubber Molded Items	MIL-STD-407	US MIL
Washer, Aircraft Hydraulic Packing Backup (1)	MS35803	US MIL
Washer, Aircraft Hydraulic Packing Back-Up (1)	MIL-DTL-5521	US MIL
Wire, Nut Retaining, Designed for Adapter, Hose to Tube, Reusable, Hydraulic, Fuel and Oil Lines	MS27238	US MIL
Wire, Retainer	MS27072	US MIL
Wire, Safety or Lock	NASM20995	AIA/NAS
Wiring, Aerospace Vehicle	AS50881	SAE

3.2 Alphanumeric Listing by Document Number

See Table 2.

NOTE: (1) indicates that the document should not be used for new designs.

Table 2 - Alphanumeric listing by document number

Number	Title	Publisher
A4A MSG-3 Volume 1	Operator/Manufacturer Scheduled Maintenance Development, Volume 1 - Fixed Wing Aircraft	A4A
A4A MSG-3 Volume 2	Operator/Manufacturer Scheduled Maintenance Development, Volume 2 - Rotorcraft	A4A
AIR81	Importance of Physical and Chemical Properties of Aircraft Hydraulic Fluids	SAE
AIR310	Fittings, Catalog of Flared, Flareless, Pipe Threaded, Port, Hose, and Other Type Tube Standard Connectors	SAE
AIR560	Missile Hydraulic Pumps	SAE
AIR737	Aerospace Hydraulic and Pneumatic Specifications, Standards, Recommended Practices, and Information Reports	SAE
AIR744	Aerospace Auxiliary Power Sources	SAE
AIR786	Elastomer Compatibility Considerations Relative to Elastomeric Selection	SAE
AIR787	Filter Element Cleaning Methods	SAE
AIR797	Hose Characteristics and Selection Chart	SAE
AIR810	Degradation Limits of MIL-PRF-5606, MIL-PRF-83282, and MIL-PRF-87257 Hydraulic Fluids Used in Hydraulic Test Stands	SAE
AIR844	Sensitization and Corrosion in Stainless Steel Filters	SAE
AIR877	Aerospace-Particle Count Data Conversion and Extrapolation	SAE
AIR887	Liquid Filter Ratings, Parameters and Tests	SAE
AIR888	Fine Wire Mesh for Filter Elements	SAE
AIR974	Long-Term Storage of Missile Hydraulic Systems	SAE
AIR1077	Metallic Seal Rings for High Temperature Reciprocating Hydraulic Service	SAE
AIR1083	Airborne Hydraulic and Control System Survivability for Military Aircraft	SAE
AIR1186	Installation and Use of Equilateral Triangle Cross-Section Hydraulic O-Ring Seal Backup Rings (Dyna-Baks)	SAE
AIR1243	Anti Blow-By Design Practice for Cap Seals	SAE
AIR1244	Aerospace, Slipper Seals, Selection for Fluid Power Applications	SAE
AIR1245	Power Sources for Fluidic Controls	SAE

Number	Title	Publisher
AIR1343	Liquid Propellant Gas Generation Systems	SAE
AIR1362	Aerospace Hydraulic Fluids Physical Properties	SAE
AIR1379	Pre-stressing (Autofretting) of Hydraulic Tubing Lines	SAE
AIR1388	Service Damage Limits for Aircraft Hydraulic Tubing	SAE
AIR1569	Handling and Installation Practice for Aerospace Hose Assemblies	SAE
AIR1657	Handbook of Hydraulic Metric Calculations	SAE
AIR1855	Actuation System Data Summary for Missiles and Launch Vehicles	SAE
AIR1899	Aerospace Military Aircraft Hydraulic System Characteristics	SAE
AIR1918	Comparison of Hydraulic System Cleanliness Procedures and Requirements for Ten Aerospace Companies	SAE
AIR1922	Aerospace – System Integration Factors That Affect Hydraulic Pump Life	SAE
AIR4002	8000 psi Hydraulic Systems: Experience and Test Results	SAE
AIR4057	Secondary Filters for Fluid System Reliability	SAE
AIR4066	Aerospace Fluid Power – Materials and Characteristics of Flight Control Servoactuators of Various Aircraft	SAE
AIR4092	Investigation of PTFE "Melt" Phenomenon for High Pressure Hoses	SAE
AIR4093	Compendium of Gas Properties	SAE
AIR4094	Aircraft Flight Control Systems Descriptions	SAE
AIR4253	Description of Actuation Systems for Aircraft With Fly-By-Wire Flight Control Systems	SAE
AIR4543	Aerospace Hydraulics and Actuation Lessons Learned	SAE
AIR4713	Aerospace - Chlorinated Solvent Contamination of MIL-H-5606/MIL-H-83282 Vehicle Hydraulic Systems	SAE
AIR4725	Long-Term Storage Reliability of High Pressure Gas Containers for Pneumatic Actuation Systems	SAE
AIR4922	Primary Flight Control Hydraulic Actuation System Interface Definition	SAE
AIR4982	Aerospace Fly-by-Light Actuation Systems	SAE
AIR4994	High Pressure Pneumatic Compressors Users Guide For Aerospace Applications	SAE
AIR5005	Aerospace - Commercial Aircraft Hydraulic Systems	SAE
AIR5273	Aircraft Actuation System Failure-Detection Methods	SAE
AIR5277	Aerospace Fluid Power - Waste Reduction Practices for Used Phosphate Ester Aviation Hydraulic Fluid	SAE
AIR5428	Utility System Characterization, An Overview	SAE
AIR5696	Aerospace Fluid Power - FAA Regulatory History - Transport Airplane Hydraulic Systems	SAE
AIR5829	Air in Aircraft Hydraulic Systems	SAE
AIR5872	Aerospace Hydraulic Pump Controls	SAE
AIR5875	Methodology for Investigation of Flight Control System Anomalies	SAE
AIR5992	Descriptions of Systems Integration Test Rigs (Iron Birds) For Aerospace Applications	SAE
AIR6052	Trimmable Horizontal Stabilizer Actuator Descriptions	SAE
AIR6079	Selection of Metallic Spring Energized Seals for Aerospace	SAE
AIR6082	Calculations to Determine Dimensions for Backup Rings to AS5781, AS5782, AS5860, AS5861	SAE
AIR6185	Aerospace - Lightning Effects on Hydraulic Transport Elements on Aircraft	SAE
AIR7358	Calculations and Background Information Used to Specify the Dimensions in AS6235	SAE
AMS2403	Plating, Nickel, General Purpose	SAE
AMS2404	Plating, Electroless Nickel	SAE
AMS2405	Electroless Nickel Plating Low Phosphorus	SAE
AMS2406	Plating, Chromium Hard Deposit	SAE
AMS2407	Plating, Chromium, Porous	SAE
AMS2408	Plating, Tin	SAE
AMS2409	Plating, Immersion Tin for Aluminum Alloys	SAE
AMS2410	Plating, Silver, Nickel Strike, High Bake	SAE
AMS2411	Plating, Silver for High Temperature Applications	SAE
AMS2412	Plating, Silver Copper Strike, Low Bake	SAE
AMS2413	Plating, Silver-Rhodium	SAE
AMS2423	Plating, Nickel Hard Deposit	SAE
AMS2424	Plating, Nickel Low-Stressed Deposit	SAE

Number	Title	Publisher
AMS2433	Plating, Nickel-Thallium-Boron or Nickel-Boron Electroless Deposition	SAE
AMS2447	Coating, Thermal Spray High Velocity Oxygen/Fuel Process	SAE
AMS2448	Application of Tungsten Carbide Coatings on Ultra High Strength Steels, High Velocity Oxygen / Fuel Process	SAE
AMS2449	Grinding of HVOF Sprayed Tungsten Carbide Coatings Applied to High Strength Steels	SAE
AMS2460	Plating, Chromium	SAE
AMS3216	Elastomer: Fluorocarbon (FKM) Rubber High-Temperature - Fluid Resistant Low Compression Set / 70 to 80 Type A Hardness For Products in Fuel Systems and Specific Engine Oil Systems	SAE
AMS3218	Fluorocarbon (FKM) Rubber High-Temperature-Fluid Resistant Low Compression Set 85 To 95	SAE
AMS4081	Aluminum Alloy Tubing, Hydraulic, Seamless, Drawn, Round 1.0Mg - 0.60Si - 0.28Cu - 0.20Cr (6061-T4) Solution Heat Treated and Naturally Aged	SAE
AMS4082	Aluminum Alloy, Seamless Drawn Tubing 1.0Mg - 0.60Si - 0.28Cu - 0.20Cr (6061-T6) Solution and Precipitation Heat Treated	SAE
AMS4083	Aluminum Alloy Tubing, Hydraulic, Seamless, Drawn, Round 1.0Mg - 0.60Si - 0.28Cu - 0.20Cr (6061-T6) Solution and Precipitation Heat Treated	SAE
AMS4944	Titanium Alloy Tubing, Seamless, Hydraulic, 3.0Al-2.5V, Cold Worked, Stress Relieved	SAE
AMS4945	Titanium Alloy Tubing, Seamless, Hydraulic, 3Al - 2.5V, Controlled Contractile Strain Ratio, Cold Worked, Stress Relieved	SAE
AMS4946	Titanium Alloy Tubing, Seamless, Hydraulic, 3Al - 2.5V, Texture Controlled Cold Worked, Stress Relieved	SAE
AMS5561	Steel, Corrosion and Heat-Resistant, Welded and Drawn or Seamless and Drawn Tubing 9.0Mn - 20Cr - 6.5Ni - 0.28N High-Pressure Hydraulic	SAE
AMS7259	Rubber: Fluorocarbon (FKM), High Temperature/Fluid Resistant, Low Compression Set/85 to 95 Hardness, For Seals in Fuel Systems and Specific Engine Oil Systems	SAE
AMS7276	Rubber: Fluorocarbon (FKM) High Temperature - Fluid Resistant Low Compression Set/70 to 80 Type A Hardness For Seals in Fuel Systems and Specific Engine Oil Systems	SAE
AMS7287	Fluorocarbon Elastomer (FKM) High Temperature / HTS Oil Resistant / Fuel Resistant Low Compression Set / 70 to 80 Hardness, Low Temperature Tg -22 °F (-30 °C) For Seals in Oil / Fuel / Specific Hydraulic Systems	SAE
AMS7379	Rubber: Fluorocarbon Elastomer (FKM) Low Temperature Sealing Tg -40 °F (-40 °C) 70 to 80 Type 'A' Hardness For Elastomeric Seals in Aircraft Engine Oil, Fuel and Hydraulics Systems	SAE
AMS7410	Rubber: Fluorocarbon Elastomer (FKM) Aircraft Engine Oil, Fuel and Hydraulic Fluid Resistant 70 to 80 Shore Type A Hardness Low Temperature Sealing Tg -47 °F (-43.9 °C) for Elastomeric Seals in Aircraft Engine, Fuel and Hydraulic Systems	SAE
AMS-C-26074	Electroless Nickel Coatings	SAE
AMS-P-83461	Packing, Preformed, Petroleum Hydraulic Fluid Resistant, Improved Performance at 275°F (135°C)	SAE
AMS-QQ-N-290	Nickel Plating (Electrodeposited)	SAE
AMS-QQ-P-416	Plating, Cadmium (Electrodeposited)	SAE
AMS-R-83412/1	Rubber, Ethylene-Propylene, Hydrazine Resistant, O-Rings Sizes and Tolerances	SAE
AMS-T-6845	Tubing, Steel, Corrosion Resistant (530400), Aerospace Vehicle Hydraulic System, 1/8 Hard Condition	SAE
ARP24	Determination of Hydraulic Pressure Drop	SAE
ARP219	Procedure and Method for Conducting Test of Hydraulic Components in Contamination Controlled System	SAE
ARP490	Electrohydraulic Servovalves	SAE
ARP584	Coiled Tubing - Corrosion Resistant Steel, Hydraulic Applications, Aerospace	SAE
ARP599	Aerospace - Dynamic Test Method for Determining the Relative Degree of Cleanliness of the Downstream Side of Filter Elements	SAE
ARP603	Impulse Testing of Hydraulic Hose, Tubing, and Fittings Assemblies	SAE
ARP719	Gas Motor	SAE
ARP725	Evaluating Effectiveness of Filter Element Cleaning Methods	SAE

Number	Title	Publisher
ARP739	Gas Power Servos and Reaction Control Systems	SAE
ARP763	Accumulators, Ground, Hydropneumatic Pressure	SAE
ARP777	Gas Actuators (Linear and Vane Rotary Type)	SAE
ARP785	Procedure for the Determination of Particulate Contamination in Hydraulic Fluids by the Control Filter Gravimetric Procedure	SAE
ARP820	Physical & Performance Tests for Type II (-65 to 275 F) O-Ring Packings, 3000 psi Hydraulic Service	SAE
ARP900	Methods for Evaluating Cryogenic Filters	SAE
ARP901	Bubble-Point Test Method	SAE
ARP988	Electrohydraulic Mechanical Feedback Servoactuators	SAE
ARP993	Fluidic Technology	SAE
ARP994	Design of Tubing Installations for Aerospace Hydraulic Systems	SAE
ARP1231	General Gland Design Criteria for Static and Dynamic O-Ring Seal Applications Specifically for Engines and Engine Control Systems	SAE
ARP1232	Gland Design Criteria and Dimensions for Static Radial O-Ring Seal Applications Without Anti-Extrusion Devices Specifically for Engine and Engine Control Systems	SAE
ARP1233	Gland Design Criteria and Dimensions for Dynamic Radial O-Ring Seal Applications Specifically for Engine and Engine Control Systems Operating at 1500 psi Max	SAE
ARP1234	Static Axial O-Ring Seal Applications Without Anti-Extrusion Devices for Engine and Engine Control Systems	SAE
ARP1280	Aerospace - Application Guide for Hydraulic Power Transfer Units	SAE
ARP1281	Actuators: Aircraft Flight Controls, Power Operated, Hydraulic, General Specification for	SAE
ARP1288	Placarding of Aircraft Hydraulic Equipment to Identify Phosphate Ester Fluid Compatibility	SAE
ARP1302	Filter Patch Testing Procedures for Aerospace Hydraulic Non-Rotating Equipment	SAE
ARP1383	Aerospace - Impulse Testing of Hydraulic Components	SAE
ARP1538	Arresting Hook Installation, Land-Based Aircraft	SAE
ARP1625	Cold Gas Systems, Missile or Projectiles Design, Installation, Tests and Requirements for	SAE
ARP1802	Selection and Application of Polytetrafluoroethylene (PTFE and TFE) Backup Rings for Hydraulic and Pneumatic Fluid Power Applications	SAE
ARP1833	Sealing Techniques for Missile Applications	SAE
ARP1870	Aerospace Systems Electrical Bonding and Grounding for Electromagnetic Compatibility and Safety	SAE
ARP1897	Clamp Selection and Installation Guide	SAE
ARP4146	Coiled Tubing - Titanium Alloy, Hydraulic Applications, Aerospace	SAE
ARP4150	Procedure for Inspection of Inservice Airborne Accumulators for Corrosion and Damage	SAE
ARP4205	Aerospace Fluid Power - Hydraulic Filter Elements - Method for Evaluating Dynamic Efficiency With Cyclic Flow	SAE
ARP4285	Aerospace - Evaluation of Particulate Contamination in Hydraulic Fluid - Membrane Procedure	SAE
ARP4378	Accumulator, Hydraulic, Welded Bellows, Factory Pre-Charged	SAE
ARP4379	Aerospace - Accumulator, Hydraulic, Cylindrical, Piston Separated	SAE
ARP4386	Terminology and Definitions for Aerospace Fluid Power, Actuation and Control Technologies	SAE
ARP4493	Aerospace - Direct Drive Servovalves	SAE
ARP4553	Self-Displacing Hydraulic Accumulator	SAE
ARP4727	Gland Design, Computation of Seal Squeeze and Gland Volume	SAE
ARP4741	Aerospace-Hydraulic Switching Valve, Pressure or Pilot Operated	SAE
ARP4752	Aerospace - Design and Installation of Commercial Transport Aircraft Hydraulic Systems	SAE
ARP4754	Guidelines for Development of Civil Aircraft and Systems	SAE
ARP4761	Guidelines and Methods for Conducting the Safety Assessment Process on Civil Airborne Systems and Equipment	SAE
ARP4763	Aerospace - General Requirements for Hydraulic Relief Valves	SAE

Number	Title	Publisher
ARP4835	Recommended Design and Test Requirements for Hydraulic Thermal Expansion Relief Valves	SAE
ARP4895	Flight Control Actuators - Dynamic Seals, Collection of Duty Cycle Data	SAE
ARP4904	Capability Guidelines for Computer Controlled Test Equipment for Hydraulic Components	SAE
ARP4925	Aerospace Design and Installation of Commercial Transport Helicopter Hydraulic Systems	SAE
ARP4940	Application Guide for Aerospace Hydraulic Motors	SAE
ARP4943	Ground Support Equipment Hydraulic Systems, Design and Installation, Recommended Practices For	SAE
ARP4945	Aerospace-Solenoid Valve, Hydraulic, Three Way, Two Position, Direct Acting	SAE
ARP4946	Recommended Design and Test Requirements for Hydraulic Check Valves	SAE
ARP5007	Development Process - Aerospace Fly-By-Wire Actuation System	SAE
ARP5376	Methods, Locations and Criteria for System Sampling and Measuring the Solid Particle Contamination of Hydraulic Fluids	SAE
ARP5384	Specification Guide for Power Drive Units (PDUs)	SAE
ARP5555	Recommendations for Installation of Seals in Standard Glands	SAE
ARP5764	Aerospace Active Inceptor Systems for Aircraft Flight and Engine Controls	SAE
ARP5770	Design Guidelines for Aircraft Mechanical Control Systems and Components	SAE
ARP5796	Flight Critical Control Valves, Military Aircraft	SAE
ARP5879	Aerospace - Test Methodology for Electrohydrostatic Actuators	SAE
ARP5891	Achieving Cleanliness Standards for Aircraft Hydraulic Systems During Manufacture	SAE
ARP5935	Use of HVOF Thermal Spray Coatings for Hard Chrome Replacement in Landing Gear Applications	SAE
ARP5941	Aerospace Fluid Power - Contamination Sensitivity - Considerations for Establishing Test Procedures for Flight Control Actuators	SAE
ARP6001	Aerospace - Passive Side Stick Unit, General Requirements for Fly by Wire Transport and Business	SAE
ARP6025	Duty Cycle Considerations for Electrohydrostatic Actuators	SAE
ARP6154	Aerospace Fluid Power Electrohydrostatic Module, Design, Performance and Test Recommendations	SAE
ARP6175	Definition, Recognition, Troubleshooting, and Repair of Aircraft Hydraulic System External Leakage	SAE
ARP6200	Test Requirements and Means for Commercial Aircraft Hydraulic Systems	SAE
ARP6249	Hydraulic Pump Minimum Inlet Pressure Test	SAE
ARP6252	Integrated Rudder and Brake Pedal Unit, General Requirements for Fly-By Wire Transport and Business Aircraft	SAE
ARP6277	Commercial Aircraft Hydraulic System Sizing	SAE
ARP6539	Validation and Verification Process Steps for Monitors Development in Complex Flight Control and Related Systems	SAE
ARP7204	Polymeric Bearings for Linear Actuators	SAE
ARP7212	Recommended Design and Test Requirements for Hydraulic Flow Regulators	SAE
ARP7490	Recommended Guidelines for the Specifications of Motor Control Electronics for Electrically Powered Actuators	SAE
ARP94910	Aerospace - Vehicle Management Systems - Flight Control Design, Installation and Test of, Military Unmanned Aircraft, Specification Guide For	SAE
AS210	Definition of Commonly Used Day Types (Atmospheric Ambient Temperature Characteristics Versus Pressure Altitude)	SAE
AS567	Safety Cable, Safety Wire, Key Washers, and Cotter Pins for Propulsion Systems, General Practices for Use of	SAE
AS568	Aerospace Size Standard for O-Rings	SAE
AS595	General Requirements for the Design and Testing of Civil Type Pressure Compensated, Variable Delivery Hydraulic Pumps	SAE
AS598	Aerospace Microscopic Sizing and Counting of Particulate Contamination for Fluid Power Systems	SAE
AS603	Impulse Testing of Hydraulic Hose, Tubing, and Fitting Assemblies	SAE

Number	Title	Publisher
AS604	Hose Assembly, Polytetrafluoroethylene, Metallic Reinforced, 3000 psi, 400 °F, Heavyweight, Hydraulic	SAE
AS611	Hose Assembly and Tubing, Polytetrafluoroethylene, Cleaning Methods for	SAE
AS614	Hose Assembly, Polytetrafluoroethylene, Metallic Reinforced, 4000 psi, 400 °F, Heavy Duty, Hydraulic and Pneumatic	SAE
AS620	Hose Assemblies, Convuluted Polytetrafluoroethylene Metallic Reinforced, High Temperature Medium Pressure, Aircraft	SAE
AS621	Hose Assembly, 3000 psi, PTFE, Flareless, Straight to Straight, Heavyweight	SAE
AS622	Hose Assembly, 3000 psi, PTFE, Flareless, Straight to 45°, Heavyweight	SAE
AS623	Hose Assembly, 3000 psi, PTFE, Flareless, Straight to 90°, Heavyweight	SAE
AS624	Hose Assembly, 3000 psi, TFE, Flareless, 45° to 45°, Heavyweight	SAE
AS625	Hose Assembly, 3000 psi, PTFE, Flareless, 45° to 90°, Heavyweight	SAE
AS626	Hose Assembly, 3000 psi, PTFE, Flareless, 90° to 90°, Heavyweight	SAE
AS627	Hose Assembly, 3000 psi, PTFE, Flared, Straight to Straight, Heavyweight	SAE
AS628	Hose Assembly, 3000 psi, PTFE, Flared, Straight to 45°, Heavyweight	SAE
AS629	Hose Assembly, 3000 psi, PTFE, Flared, Straight to 90°, Heavyweight	SAE
AS630	Hose Assembly, 3000 psi, PTFE, Flared, 45° to 45°, Heavyweight	SAE
AS631	Hose Assembly, 3000 psi, PTFE, Flared, 45° to 90°, Heavyweight	SAE
AS632	Hose Assembly, 3000 psi, PTFE, Flared, 90° to 90°, Heavyweight	SAE
AS683	Installation Procedure and Torques for Fluid Connections	SAE
AS708	Top Visual Quality (TVQ) O-Ring Packings and Gaskets - Surface Inspection Guide and Acceptance Standard	SAE
AS714	Aircraft Hydraulic Start Motor	SAE
AS758	Fittings, Installation in Straight Threaded Boss	SAE
AS838	Aircraft Hydraulic Starter/Pumps	SAE
AS871	Manufacturing and Inspection Standards for Preformed Packings (O-Rings)	SAE
AS933	Fitting, Adapter, Union, Flared to Boss	SAE
AS943	Starter, Pneumatic, Aircraft Engine, General Specification for	SAE
AS959	Drive - Studded, Accessory, 2.653 BC Square, Design Standard for	SAE
AS960	Flange - Accessory, 2.653 BC Square, Design Standard for	SAE
AS961	Drive - Studded, Accessory, 5.000 BC Square, Design Standard for	SAE
AS962	Flange - Accessory, 5.000 BC Square, Design Standard For	SAE
AS963	Drive - Studded, Accessory, (127) 5.000 BC Round, Design Standard for	SAE
AS964	Flange - Accessory, 5.000 BC Round, Design Standard for	SAE
AS965	Drive - Studded, Accessory, (203.2) 8.000 BC Round, Design Standard for	SAE
AS966	Flange - Accessory, 8.000 BC Round, Design Standard for	SAE
AS967	Drive - Studded, Accessory, (254) 10.000 BC Round, Design Standard for	SAE
AS968	Flange - Accessory, 10.000 BC Round, Design Standard for	SAE
AS969	Drive - Accessory, (127) 5.000 BC Round, QAD, Design Standard for	SAE
AS970	Drive - Accessory, 8.000 BC Round, QAD, Design Standard For	SAE
AS971	Drive - Accessory, (203.2) 10.000 BC Round, QAD, Design Standard for	SAE
AS972	Spline Details, Accessory Drives and Flanges	SAE
AS1055	Fire Testing of Flexible Hose, Tube Assemblies, Coils, Fittings, and Similar System Components	SAE
AS1227	Hose Assembly, Convuluted Polytetrafluoroethylene, Metallic Reinforced, Low Pressure, Up to 400 °F, Aircraft	SAE
AS1241	Fire Resistant Phosphate Ester Hydraulic Fluid for Aircraft	SAE
AS1290	Graphic Symbols for Aircraft Hydraulic and Pneumatic Systems	SAE
AS1297	Reducers, Pneumatic Pressure, Missile	SAE
AS1300	Port - Ring Locked Fluid Connection Type, Standard Dimensions for	SAE
AS1339	Hose Assembly, Polytetrafluoroethylene, Metallic Reinforced, 3000 psi, 400 °F, Lightweight, Hydraulic and Pneumatic	SAE
AS1709	Coupling Assembly, Hydraulic Self Sealing, Quick Disconnect	SAE
AS1896	Coupling Assembly, Self-Sealing, One Side Only, Hydraulic	SAE
AS1975	Hose Assembly, Polytetrafluoroethylene, Para-Aramid Reinforced, 3000/4000 psi, 275 °F, Standard Duty, Hydraulic, Aircraft Systems	SAE
AS3084	Packing, Preformed - AMS7280 - Seal	SAE

Number	Title	Publisher
AS3085	Packing, Preformed - AMS7280, 'O' Ring	SAE
AS3121	Plug, Expansion - Aluminum, 2024-T4 and 2024-T351, Long; Std and .010 Oversize Diameters (UNS A92024)	SAE
AS3122	Pin, Expansion - Aluminum, 2024-T4 and 2024-T351, Long (UNS A92024)	SAE
AS3123	Plug, Expansion - Aluminum, 2024-T4 and 2024-T351, Short; Std and .010 Oversize Diameters, UNS A92024	SAE
AS3124	Pin, Expansion - Aluminum, 2024-T4 and 2024-T351, Short, UNS A92024	SAE
AS3125	Plug, Expansion - CRES, 416 or 416SE, Long; Std and .010 Oversize Diameters, UNS S41600/UNS S41623	SAE
AS3126	Pin, Expansion - CRES, 416 or 416SE, Long, UNS S41600/UNS S41623	SAE
AS3127	Plug, Expansion - CRES, 416 or 416SE, Short; Std and .010 Oversize Diameters, UNS S41600/UNS S41623	SAE
AS3128	Pin, Expansion - CRES, 416 or 416SE, Short, UNS S41600/UNS S41623	SAE
AS3129	Plug, Expansion - CRES, 303, Long, Std and .010 Oversize Diameters, UNS S30300	SAE
AS3130	Pin, Expansion - CRES, 303, Long, UNS S30300	SAE
AS3131	Plug, Expansion - CRES, 303, Short; Std and .010 Oversize Diameters, UNS S30300	SAE
AS3132	Pin, Expansion - CRES, 303, Short, UNS S30300	SAE
AS3208	Packing, Preformed - AMS 7276 - Seal	SAE
AS3209	Packing, Preformed - AMS 7276, 'O' Ring	SAE
AS3551	O-Ring Molded from AMS7272 Butadiene-Acrylonitrile Rubber (NBR)	SAE
AS3569	O-Ring Molded from AMS7270 Butadiene-Acrylonitrile (NBR) Rubber Material	SAE
AS3570	O-Ring Molded from AMS7274 Material	SAE
AS3578	Packing, Preformed - O-Ring Seal AMS7271	SAE
AS3581	Packing, Preformed - O-Ring Seal AMS7259	SAE
AS3582	Packing, Preformed - O-Ring Seal AMS3304	SAE
AS4052	Gland Design: Scraper, Landing Gear, Installation	SAE
AS4059	Contamination Classification for Hydraulic Fluids	SAE
AS4088	Aerospace Rod Scraper Gland Design Standard	SAE
AS4098	Hose Assembly, Polytetrafluoroethylene, Heavy Duty, Metallic Reinforced, 400 °F, 5000 psi Hydraulic and Pneumatic	SAE
AS4201	Port - Ring Locked Fluid Connection Type 8000 psi - Design Standard	SAE
AS4251	Coupling Assemblies, Non-Locking Probe Style, Self-Aligning, Self-Sealing Disconnects	SAE
AS4273	Fire Testing of Fluid Handling Components for Aircraft Engines and Aircraft Engine Installations	SAE
AS4330	Tubing, Flared, Standard Dimensions for, Design Standard	SAE
AS4370	Nut, Fitting, Retained	SAE
AS4395	Fitting End, Flared, Tube Connection, Design Standard	SAE
AS4396	Fitting End, Bulkhead, Flared Tube Connection, Design Standard	SAE
AS4716	Gland Design, O-Ring and Other Seals	SAE
AS4832	Gland Design: Nominal 3/8 Inch Cross Section for Compression-Type Seals	SAE
AS4941	Aerospace - General Requirements for Commercial Aircraft Hydraulic Components	SAE
AS5165	Fitting, Connector, Multiple Fluid Pressure Line, Tee	SAE
AS5168	Fitting, Plug, Tube End, Flared	SAE
AS5169	Fitting, Port Plug and Bleeder	SAE
AS5172	Fitting, Adapter, Port, Reducer	SAE
AS5173	Fitting, Bushing, Port, Reducer	SAE
AS5174	Fitting, Union and Reducer, Flared	SAE
AS5175	Nut, Coupling, Flared	SAE
AS5176	Fitting, Sleeve, Flared	SAE
AS5178	Nut, Fitting, Bulkhead	SAE
AS5179	Nut, Fitting, Port	SAE
AS5192	Fitting, Tee, Internal Straight Thread Port	SAE
AS5202	Port or Fitting End, Internal Straight Thread, Design Standard	SAE
AS5206	Nut, Flared, Long	SAE
AS5316	Storage of Elastomer Seals and Seal Assemblies Which Include an Elastomer Element Prior to Hardware Assembly	SAE

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AS5406	Fitting, Union, Tube, .375 Bulkhead	SAE
AS5440	Hydraulic Systems, Aircraft, Design and Installation, Requirements for	SAE
AS5466	Aerospace - General Requirements for Hydraulic Fuse - Quantity Measuring	SAE
AS5467	General Requirements for Hydraulic Fuse - Flow Rate	SAE
AS5550	Fitting Assembly, Ring Locked, Adapter, Flareless to Port, Extra Fine Threads, 5080 psi	SAE
AS5586	General Requirements for Hydraulic System Reservoirs	SAE
AS5728	O-Ring Molded From AMS7268 (Silicone) Material	SAE
AS5729	O-Ring Molded From AMS7379 Fluorocarbon (FKM) Material	SAE
AS5752	Aerospace - Visual Inspection Standard for Elastomeric Sealing Elements Other than O-Rings	SAE
AS5781	Retainers (Backup Rings), Hydraulic and Pneumatic, Polytetrafluoroethylene Resin, Single Turn, Scarf-Cut, For Use in AS4716 Glands	SAE
AS5782	Retainers (Backup Rings), Hydraulic and Pneumatic, Polytetrafluoroethylene Resin, Solid, Un-Cut, For Use in AS4716 Glands	SAE
AS5798	Aerospace Size Standard for Oversize O-Rings	SAE
AS5857	Gland Design, O-Ring and Other Elastomeric Seals, Static Applications	SAE
AS5860	Retainers (Backup Rings), Hydraulic and Pneumatic, Polytetrafluoroethylene Resin, Single Turn, Scarf-Cut, For Use in AS5857 Static Glands	SAE
AS5861	Retainers, (Back-Up Rings), Hydraulic and Pneumatic, Polytetrafluoroethylene Resin, Solid, Un-Cut, for Use in Static Glands to AS5857	SAE
AS5951	Hose Assembly, Polytetrafluoroethylene, Para-Aramid Reinforced, 5080 psi (35,000 kPa), 275 °F (135 °C), Aircraft Hydraulic Systems	SAE
AS5958	Fittings, Axially Swaged Tube with Flareless Separable, Fluid System for Operating Pressures up to and Including 5080 psi (35 000 kPa), Specification for	SAE
AS5960	Hose Assembly, Polytetrafluoroethylene, Metallic Braid Reinforced, 5080 psi (35 000 kPa), 400 °F (204 °C), Aircraft Hydraulic Systems	SAE
AS5994	Pump Units, Hydraulic, Electric Motor Driven, Variable Delivery	SAE
AS6058	Packing, Preformed, O-Ring Molded from Perfluoroether, FFO Material	SAE
AS6203	O-Ring, Molded From AMS7379 Rubber For Use With AS5202 Ports	SAE
AS6235	Face Seal Gland Design, Static, O-Ring and Other Seals for Aerospace Hydraulic and Pneumatic Applications	SAE
AS7217	O-Rings Molded From AMS7361 Ethylene Propylene Rubber For Static Applications	SAE
AS7431	Bracket, Support Clamp	SAE
AS7985	O-Ring Molded from AMS7601 Butyl Rubber	SAE
AS7997	Motors, Aircraft Hydraulic, Constant Displacement General Specification for	SAE
AS8775	Hydraulic System Components, Aircraft and Missiles, General Specification for	SAE
AS8791	Hydraulic and Pneumatic Retainers (Backup Rings), Polytetrafluoroethylene (PTFE) Resin	SAE
AS8879	Screw Threads - UNJ Profile, Inch Controlled Radius Root with Increased Minor Diameter	SAE
AS9058	Ring - Back-Up, Boss Connection, AMS3678/1 Material	SAE
AS9386	O-Ring Molded from AMS7267 Silicone (VMQ) Rubber	SAE
AS9770	O-Ring Machined from AMS3650 Material	SAE
AS9772	O-Ring Machined from AMS3617 Material	SAE
AS9955	O-Ring Machined from AMS3668 Material	SAE
AS9967	O-Ring Molded from AMS7273 Fluorosilicone (FVMQ) Rubber Material	SAE
AS18280	Fittings, 24 Degree Cone Flareless, Fluid Connection, 3000 psi	SAE
AS19692	Aerospace – Military Type Variable Delivery, Pressure Compensated Hydraulic Pump	SAE
AS21945	Body, Cluster Fitting, Three Way Flareless	SAE
AS26805	Compressor Units, Air/Gas, General Requirements for	SAE
AS27194	Seal, Bonded, Aluminum Alloy 6061-T6, AMS4027, Mold In Groove, NBR Rubber, AMS-P-5315	SAE
AS27195	Seal, Bonded, Aluminum Alloy 6061-T6, AMS4027, Mold In Groove, NBR Rubber, AMS-R-7362	SAE
AS27196	Seal, Bonded, 302 Corrosion Resistant Steel, AMS5516, Mold in Groove, Fluorocarbon Rubber, AMS7276	SAE

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AS27197	Seal, Bonded, 302 Corrosion Resistant Steel, AMS5516, Mold In Groove, Silicone Rubber, AMS7268	SAE
AS27198	Seal, Bonded, 302 Corrosion Resistant Steel, AMS5516, Mold in Groove, Fluorosilicone Rubber, MIL-DTL-25988	SAE
AS28772	"D" Ring Seal for Shock Struts Molded From MIL-P-25732 Acrylonitrile Butadiene (NBR) Material	SAE
AS28775	Packing, Preformed, MS28775 O-Ring	SAE
AS28778	O-Ring, Straight Thread Tube Fitting Boss Molded From AMS-P-5510 Rubber	SAE
AS29512	Hydrocarbon Fuel Resistant, Tube Fitting, O-Ring Molded From AMS-P-5315 Rubber	SAE
AS29513	Packing, Preformed, Hydrocarbon Fuel Resistant, "O" Ring	SAE
AS29561	O-Ring Molded From AMS-R-7362 Nitrile Rubber	SAE
AS33514	Fitting End, Standard Dimensions for Flareless Tube Connection and Gasket Seal	SAE
AS33515	Fitting End, Standard Dimensions for Bulkhead Flareless Tube Connections	SAE
AS33566	Fittings, Installation of Flareless Tube – Straight Threaded Connectors	SAE
AS33583	Tubing End - Double Flare, Standard Dimensions for	SAE
AS33611	Tube Bend Radii	SAE
AS35769	Gasket, Metallic, Encased, Annular, Copper	SAE
AS40401	Solenoid, Electrical, General Specification for	SAE
AS50151	Connectors, Electrical, Circular Threaded, AN Type, General Specification	SAE
AS50881	Wiring, Aerospace Vehicle	SAE
AS71051	Pipe Threads, Taper, Aeronautical National Form, Symbol ANPT – Design and Inspection Standard	SAE
AS83248/1	O-Ring Molded From AMS7276 Material	SAE
AS83248/2	O-Ring Molded From AMS7259 Material	SAE
AS83461/1	M83461 O-Ring Molded From AMS-P-83461 Rubber	SAE
AS83461/2	Straight Thread Tube Fitting Boss O-Ring Molded From AMS-P-83461 Acrylonitrile Butadiene Rubber	SAE
AS83485	O-Ring Molded From AMS7287 Material	SAE
AS85421	Fittings, Tube, Fluid Systems, Separable, Beam Seal, 3000/4000 psi, General Specification for	SAE
AS85720	Fittings, Tube, Fluid Systems, Separable, High Pressure Dynamic Beam Seal, 5000/8000 psi, General Specification for	SAE
AS94900	Vehicle Management Systems - Flight Control Function, Design, Installation and Test of Piloted Military Aircraft, General Specification for	SAE
ASTM A227/A227M	Standard Specification for Steel Wire, Cold-Drawn for Mechanical Springs	ASTM
ASTM B339	Standard Specification for Pig Tin	ASTM
ASTM B545	Standard Specification for Electrodeposited Coatings of Tin	ASTM
ASTM B633	Standard Specification for Electrodeposited Coatings of Zinc on Iron and Steel	ASTM
ASTM B700	Standard Specification for Electrodeposited Coatings of Silver for Engineering Use	ASTM
ASTM C700	Standard Specification for Vitrified Clay Pipe, Extra Strength, Standard Strength, and Perforated	ASTM
DOT CFFC	Basic Requirements For Fully Wrapped Carbon-Fiber Reinforced Aluminum Lined Cylinder	US DOT
DOT FRP-1	Basic Requirements For Fiber Reinforced Plastic Type 3FC Composite Cylinders	US DOT
FED-STD-791	Lubricants, Liquid Fuels and Related Products; Methods of Testing	US MIL
IEEE C63.14	American National Standard Dictionary for Technologies of Electromagnetic Compatibility (EMC), Electromagnetic Pulse (EMP), and Electrostatic Discharge (ESD)	IEEE
ISO 11	Aircraft - Ground pressure testing connections for pressure cabins	ISO
ISO 12	Aerospace - Pipelines - Identification	ISO
ISO 45	Aircraft - Pressure refuelling connections	ISO
ISO 102	Aircraft - Gravity filling orifices	ISO
ISO 451	Aircraft - Pressure re-oiling connection	ISO
ISO 485	Aircraft water-methanol pressure connections	ISO
ISO 1023	Aircraft - High pressure air charging valves	ISO
ISO 1034	Aircraft - Ground air-conditioning connections	ISO
ISO 1465	Aircraft - Liquid oxygen replenishment couplings - Mating dimensions	ISO