

**SAE Technical Committee G-3 Aerospace Couplings, Fittings, Hose, Tubing Assemblies Committees**

Fact Sheet

The **SAE G-3 Aerospace Couplings, Fittings, Hose, and Tubing Assemblies** committee addresses all facets of aerospace fluid system components—design, test, procurement, maintenance, and in-service experience. The group is comprised of four subcommittees dedicated to creating, preparing, and maintaining all relevant specifications, standards, and requirements for aerospace fluid system parts. These subcommittees include:

 **G-3A Aerospace Couplings**

**G-3B Aerospace Fittings**

**G-3C AS-EN Harmonization**

**G-3D Aerospace Hose**

**G-3E Aerospace Tubing Installation**

In addition to these subcommittees, the **SAE G-3 PRI-QPL/QML Group** was established to handle the development of Qualified Parts Lists (QPLs) and Qualified Manufacturer Lists (QMLs) for a variety of specifications and standards. The committee has developed some industry QPLs and QMLs through a process established by OEM and government members with PRI.

Participants in the **SAE G-3** committee include OEMs, suppliers, government services, also processors, consulting firms, and others across the aerospace and defense industries.

For additional information on this SAE Technical Standards Committee, please visit:

<http://www.sae.org/servlets/works/committeeHome.do?comtID=TEAG3>

**Examples of standards development/revision activities**

* AS1472B Hose Assembly, Low Pressure, Potable Water
* AS5960C Hose Assembly, Polytetrafluoroethylene, Metallic Braid Reinforced, 5080 psi (35 000 kPa), 400 °F (204 °C), Aircraft Hydraulic Systems
* AS5961B Hose Assembly, Polytetrafluoroethylene CRES Braid Reinforced, 400°F, 5080 psi Flareless, Straight to Straight
* AS5962B Hose Assembly, Polytetrafluoroethylene CRES Braid Reinforced, 400°F, 5080 psi Flareless, Straight to 45° Elbow
* AS5963B Hose Assembly, Polytetrafluoroethylene CRES Braid Reinforced, 400°F, 5080 psi Flareless, Straight to 90° Elbow
* AS5964B Hose Assembly, Polytetrafluoroethylene CRES Braid Reinforced, 400°F, 5080 psi Flareless, 45° Elbow to 45° Elbow

Recently published documents

* AS5810B FITTING ASSEMBLY, TEE, MALE FLARELESS ON THE RUN, AXIALLY SWAGED ON THE RUN AND THE BRANCH, HYDRAULIC, 3000 PSI
* AS5972F FITTING ASSEMBLY, TEE AXIALLY SWAGED, HYDRAULIC, 5080 PSI
* AS5974E FITTING ASSEMBLY, STRAIGHT, FEMALE FLARELESS, AXIALLY SWAGED, HYDRAULIC, 5080 PSI
* AS5804B FITTING ASSEMBLY, TEE, FEMALE FLARELESS AND AXIALLY SWAGED ON THE RUN, AXIALLY SWAGED ON THE BRANCH, HYDRAULIC, 3,000 PSI
* AS5806A FITTING ASSEMBLY, TEE, AXIALLY SWAGED ON THE RUN, FEMALE FLARELESS ON THE BRANCH, HYDRAULIC, 3,000 PSI
* AS4623E Hose Assembly, Polytetrafluoroethylene, Para-Aramid Reinforced, 3,000 psi, 275 °F, Heavy Duty, Aircraft Hydraulic Systems