

**BOSS, LOW PRESSURE (500 psi)
STANDARD DIMENSIONS FOR**

1. SCOPE:

This SAE Aerospace Standard (AS) presents all appropriate boss dimensions from .125 inch to 2.0 inch tube sizes.

1.1 Purpose:

This AS has been developed for low pressure fuel systems and associated components operating up to 500 pounds per square inch (psi) as an alternate to MS33649 and MS16142(SH).

2. APPLICABLE DOCUMENTS:

The following publications form a part of this specification to the extent specified herein. The latest issue of all SAE Technical Reports shall apply.

2.1 Military Publications:

Available from Standardization Documents Order Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.

MIL-S-8879	Screw Threads, Controlled Radius Root With Increased Minor Diameter, General Specification for
MS33649	Bosses, Fluid Connection, Internal Straight Thread
MS16142	Boss, Gasket Seal, Straight Thread Tube Fitting, Standard Dimensions for
AND10050	Bosses, Standard Dimensions for Gasket Seal Straight Thread
FED-STD-H28/2	Unified Inch Threads - UN and UNR Thread Forms

2.2 ANSI Publications:

Available from American National Standards Institute, 11 West 42nd Street, 13th Floor, New York, NY 10036.

ANSI/ASME B46.1-1985 Surface Texture

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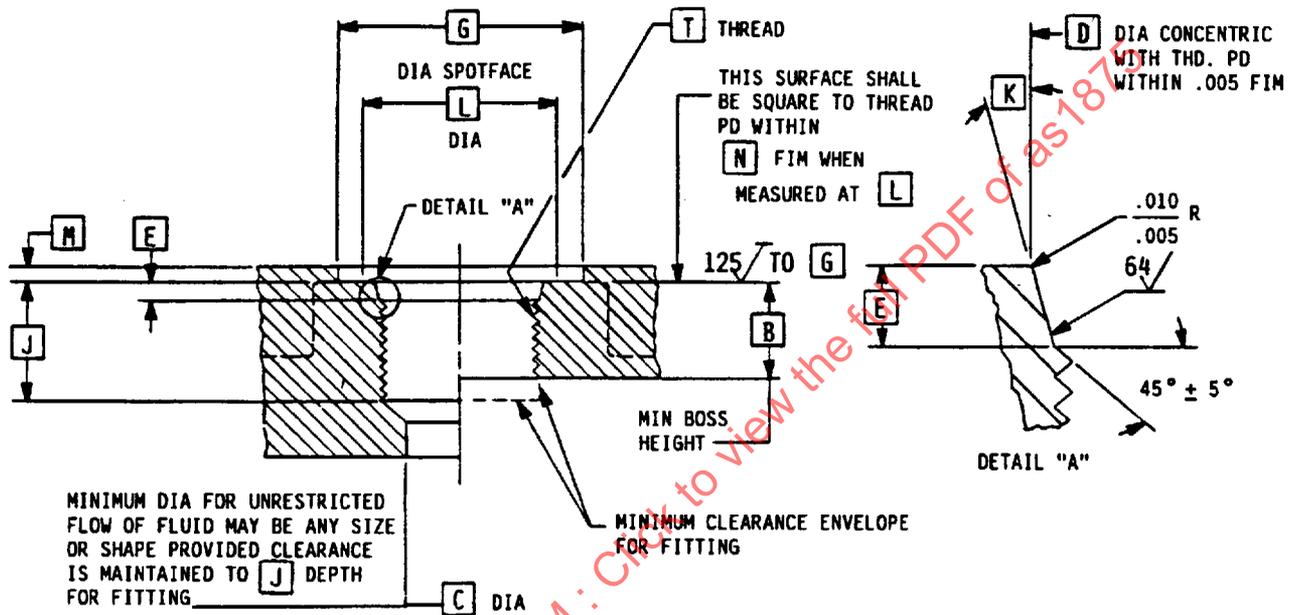


FIGURE 1

PREPARED BY SAE COMMITTEE AE-5,
 AEROSPACE FUEL, OIL, AND OXIDIZER SYSTEMS