

REV.  
A

SAE AS5072/2

FEDERAL SUPPLY CLASS

RATIONALE

AS5072/2A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

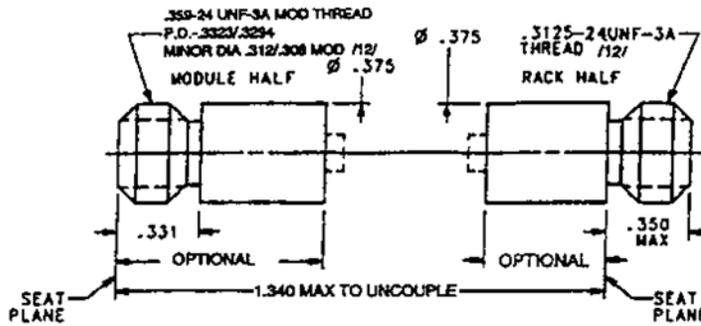


FIGURE 1 - COUPLING

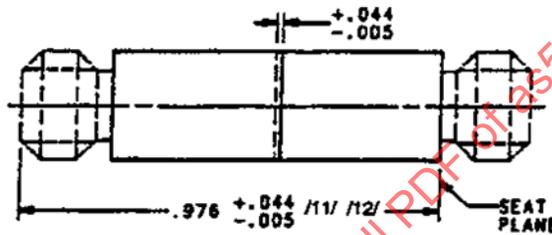
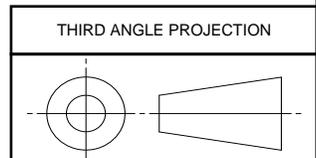


FIGURE 2 - INSTALLATION ENVELOPE DIMENSIONS

NOTES:

1. THIS COUPLING ASSEMBLY SHALL BE QUALIFIED IN ACCORDANCE WITH PROCUREMENT SPECIFICATION AS5072. USERS OF THIS STANDARD ARE ADVISED TO CONTROL SOURCE APPROVAL(S) BY STANDARD SHEET SUPPLEMENT SHEET OR OTHER MEANS.
2. OPERATING FLUID: POLYALPHAOLEFIN (PAO) PER MIL-C-87252
3. PRESSURES:
  - a. OPERATING: 150 psig MAXIMUM (100 psig MAXIMUM FOR HALF WITH RELIEF VALVE)
  - b. PROOF: 225 psig (CONNECTED)
  - c. BURST: 440 psig (CONNECTED)
  - d. RELIEF VALVE: CRACK = 200 psig  $\pm$  20 psig
  - e. RELIEF VALVE: RESEAT = 50 psig MINIMUM
4. TEMPERATURES:
  - a. STORAGE: 75 °F  $\pm$  20 °F
  - b. AMBIENT: 75 °F  $\pm$  20 °F
  - c. FLUID: -40 TO 160 °F
5. FLOW RATE:
  - a. RATED: .16 gpm
  - b. SURGE: .45 gpm
6. PRESSURE DROP: 1.25 psig MAXIMUM AT .16 gpm

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS5072/2A>



CUSTODIAN: G-3/G-3A

PROCUREMENT SPECIFICATION: AS5072C

**SAE Aerospace**  
An SAE International Group

**AEROSPACE STANDARD**

COUPLING ASSEMBLY, .375 DIAMETER, NON-LOCKING PROBE STYLE, MINIATURE SELF-SEALING-ALIGNING, SELF-SEALING DISCONNECT FOR POLYALPHAOLEFIN FLUID

**SAE AS5072/2**  
SHEET 1 OF 2

**REV. A**

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user." 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.

ISSUED 1996-11 REVISED 2002-05 REAFFIRMED 2013-01