

RATIONALE

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

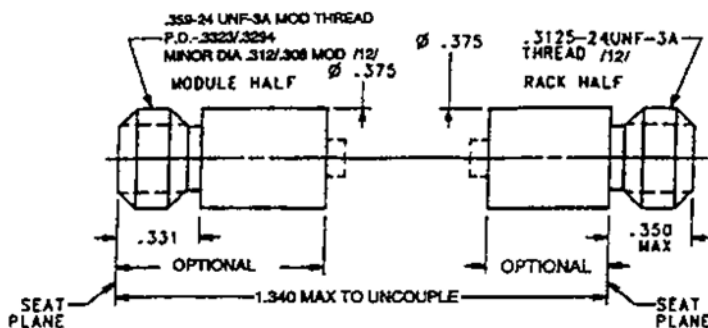


FIGURE 1 - COUPLING

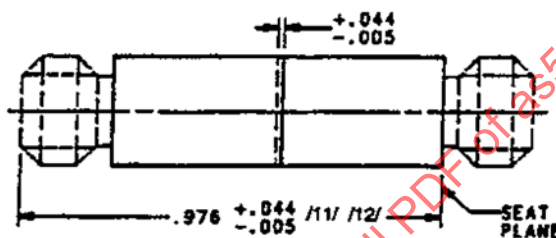


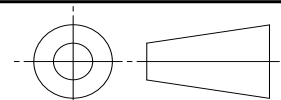
FIGURE 2 - INSTALLATION ENVELOPE DIMENSIONS

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 ± 20 psig
 - e. RELIEF VALVE: RESEAT = 50 psig MINIMUM
4. TEMPERATURES:
 - a. STORAGE: 75 °F ± 20 °F
 - b. AMBIENT: 75 °F ± 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>

THIRD ANGLE PROJECTION



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