

INCH-POUND

MS21345B  
4 October 2016  
SUPERSEDING  
MS21345A  
21 September 1984

DETAIL SPECIFICATION SHEET

FITTINGS – INSTALLATION OF UNIVERSAL ELBOW

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet.

REQUIREMENTS:

This is a design standard and shall not be used as a Part or Identifying Number.

Prior to installation all fittings and components should be inspected for possible contamination or damage. All sealing surfaces, including concentric circular serrations, should be smooth. Bolt sealing portion of hex and unthreaded portion of bolt should be smooth with no sharp edges. No cuts, gouges, or other visible damage should be on the gaskets.

Universal elbow installation, see figure 1.

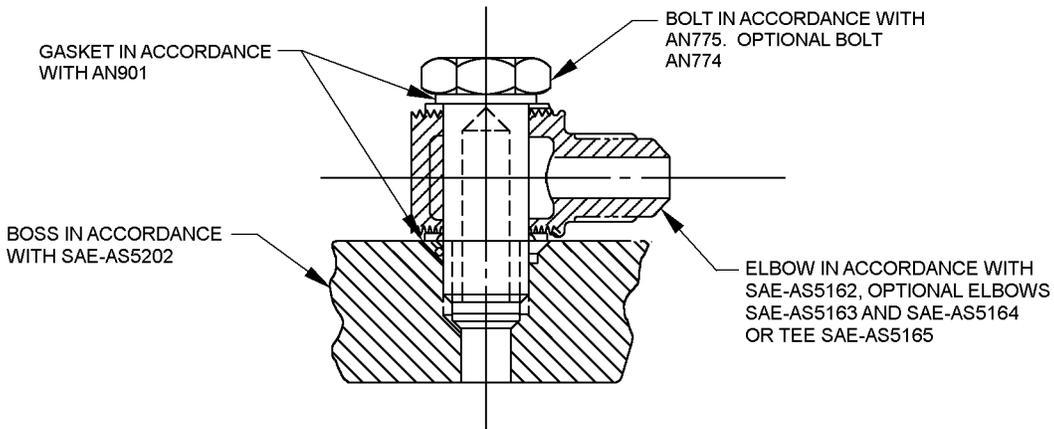


FIGURE 1. Universal elbow installation.

Use AN774-4, -5, and -6 or AN775-4 steel bolt with either aluminum (AL) alloy or steel elbow or tee.

All other sizes use:

- AL alloy elbow or tee use an AL alloy bolt.
- Steel elbow or tee use a steel bolt.

Damaged 37° ends, small nicks or defects, on the fitting that do not allow for proper sealing may be repaired by using A-A-59935 crush seals. They can also be used on first assembly to enhance mechanical sealing and to extend joint life. Torque requirements are specified in A-A-59935.

AMSC N/A

FSC 4730



MS21345B

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue, due to the extent of the changes.

Referenced documents. This document references the following:

A-A-59935	SAE-AS5162
AN774	SAE-AS5163
AN775	SAE-AS5164
AN901	SAE-AS5165
SAE-AS5202	

CONCLUDING MATERIAL

Custodians:

Army - AV  
Navy - AS  
Air Force - 99  
DLA - CC

Preparing activity:  
DLA - CC

(Project 4730-2016-087)

Review activities:

Army - AR, MI  
Air Force - 71

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.