

INCH-POUND  
MIL-DTL-52618/5E  
26 January 2012  
SUPERSEDING  
MIL-DTL-52618/5D  
25 November 2002

# DETAIL SPECIFICATION SHEET

## FITTINGS, PIPE, ALUMINUM-ALLOY THREADED, 150-POUND, 90-DEGREE AND 45-DEGREE STREET ELBOWS

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 and MIL-DTL-52618.

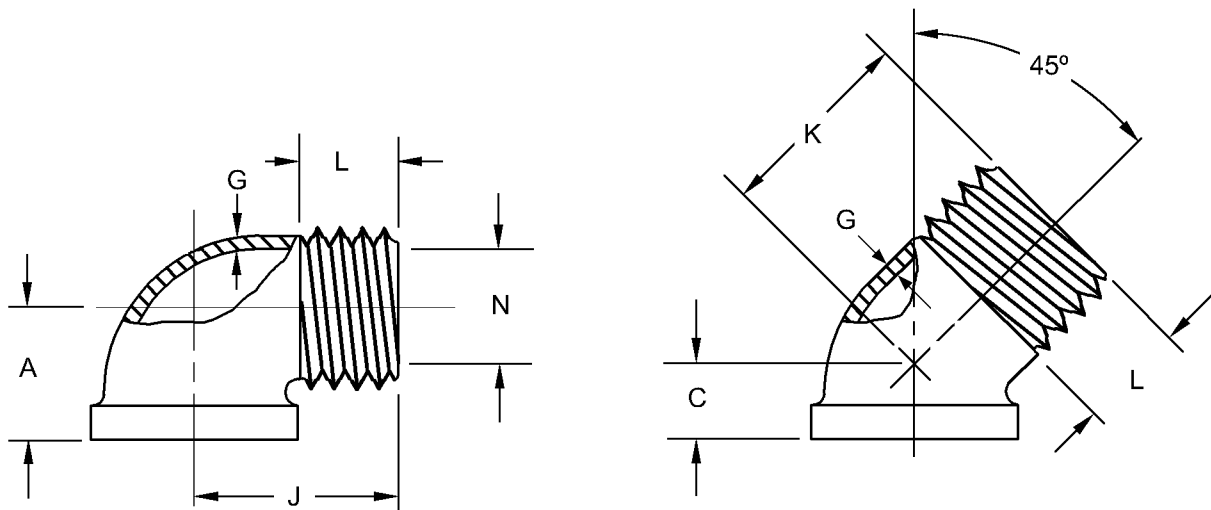


FIGURE 1. 90° and 45° elbow.

### REQUIREMENTS:

The fittings shall be as specified on figure 1.

The design, dimensions, and tolerances of couplings and street elbows shall be in accordance with ASME B16.3.

Intended use is with water, oil, or air 150 psi (1.03 MPa) max at 72°F (22°C).

Aluminum shall be in accordance with MIL-DTL-52618.

## MIL-DTL-52618/5E

Configuration designators shall be in accordance with table I.

TABLE I. Configuration code letter for fittings.

| Configuration code | Description      |
|--------------------|------------------|
| J                  | 90° Street elbow |
| K                  | 45° Street elbow |

Size code numbers shall be in accordance with table II.

TABLE II. Size code numbers for street elbows.

| Size code number | Nominal pipe size (inch) |
|------------------|--------------------------|
| 01               | 1/8                      |
| 02               | 1/4                      |
| 03               | 3/8                      |
| 04               | 1/2                      |
| 05               | 3/4                      |
| 06               | 1                        |
| 07               | 1 - 1/4                  |
| 08               | 1 - 1/2                  |
| 09               | 2                        |

Pipe threads shall be in accordance with MIL-DTL-52618.

Pipe thread direction code shall be in accordance with table III.

TABLE III. Thread direction code letter.

| Thread direction code letter | Thread direction     |
|------------------------------|----------------------|
| X                            | Right-hand           |
| Y                            | Left-hand            |
| Z                            | Right- and left-hand |

Finish shall be in accordance with MIL-DTL-52618.

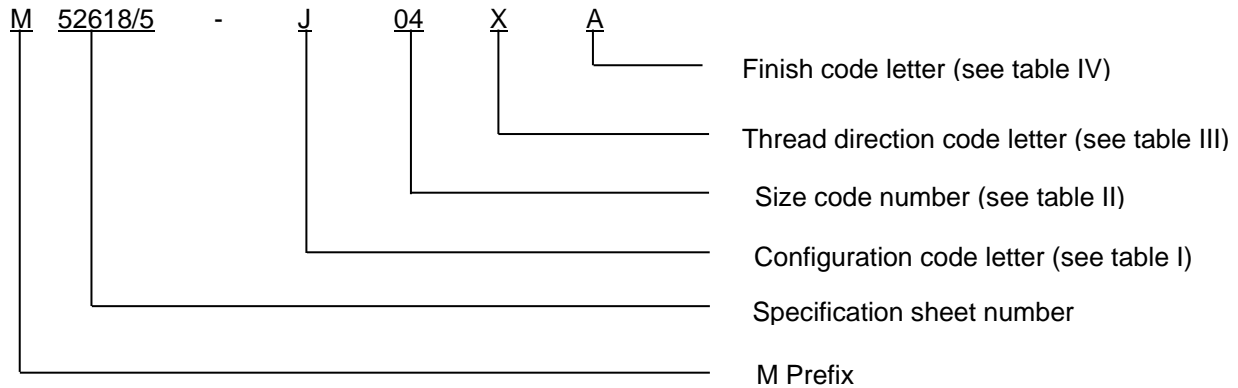
Finish code letter shall be in accordance with table IV.

TABLE IV. Finish code letter.

| Finish code letter | Finish      |
|--------------------|-------------|
| A                  | As cast     |
| B                  | As extruded |
| C                  | Anodized    |

## MIL-DTL-52618/5E

Part or Identifying Number (PIN). The PIN consists of the letter M, specification sheet number, a dash, configuration code letter, size code numbers, thread direction code letter and finish code letter are combined to form the part or identifying number. PIN numbers are assigned as follows:



PIN example: M52618/5-J04XA indicates a 90° elbow for a 1/2 inch pipe, right hand threads, and finish is "as cast".

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. In addition to MIL-DTL-52618, this document references ASME B16.3

## CONCLUDING MATERIAL

## Custodians:

Army - AT  
Navy - AS  
DLA - CC

## Preparing activity:

DLA - CC

## Review activities:

Army - CE  
Navy - MC, SA

(Project 4730-2012-014)

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.daps.dla.mil>.