

INCH-POUND

MS14311C  
15 December 2009  
SUPERSEDING  
MS14311B  
28 February 1994

DETAIL SPECIFICATION SHEET

FITTINGS, PIPE, BRASS OR BRONZE, THREADED (90-DEG. ELBOWS,  
TEES, CROSSES, 45-DEG. ELBOWS, AND COUPLING), CLASS 250

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  
WW-P-460.

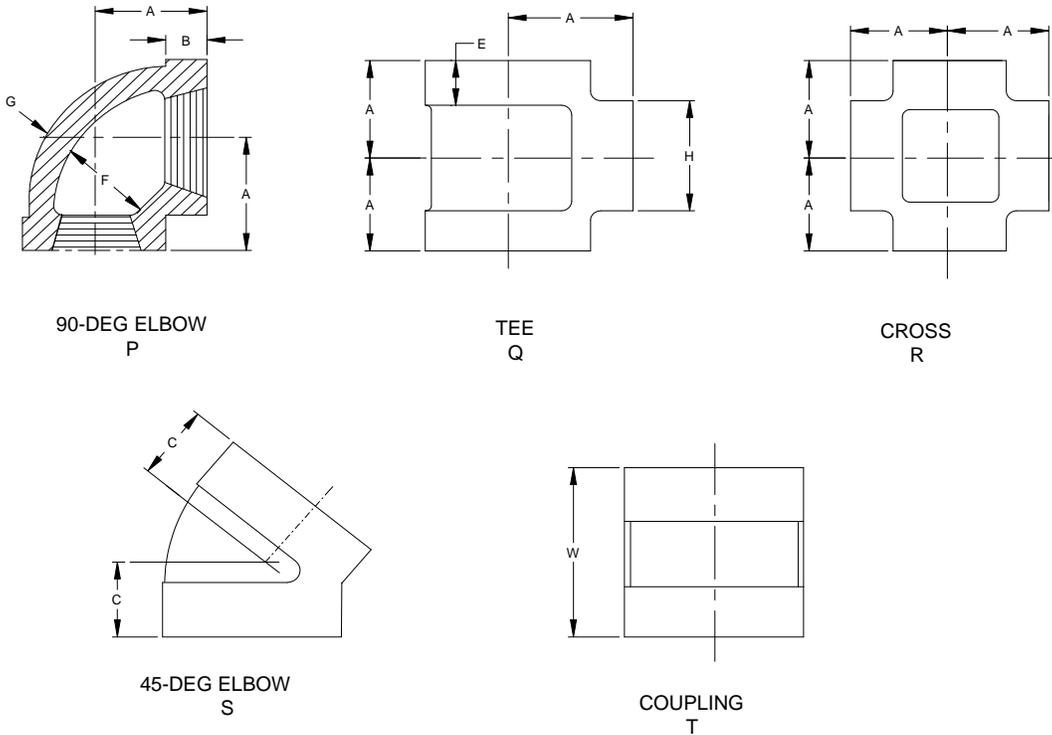


FIGURE 1. Elbows, tees, crosses and coupling fittings.

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Dash number to pipe size.

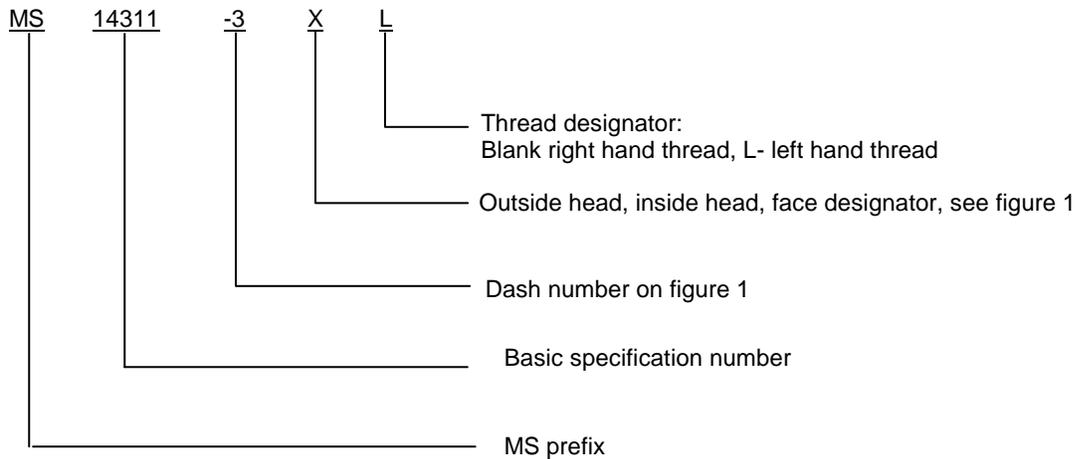
Dash number	Pipe size	mm
- 1	1/4 (.250)	6.35
- 2	3/8 (.375)	9.53
- 3	1/2 (.500)	12.70
- 4	3/4 (.750)	19.05
- 5	1 (1.000)	25.40
- 6	1-1/4 (1.250)	31.75
- 7	1-1/2 (1.500)	38.10
- 8	2 (2.000)	50.80
- 9	2-1/2 (2.500)	63.50
- 10	3 (3.000)	76.20
- 11	4 (4.000)	101.60

## NOTES:

1. Metric equivalents are given for information only.
2. Material: Brass or bronze in accordance with ASME-B16.15.
3. Protective Coating: None
4. Dimensions: In accordance with ASME-B16.15, table titled "Dimensions of 90-deg Elbows, Tees, Crosses, 45-deg Elbows, and Couplings (Straight Sizes) – Class 250".
5. Thread: As specified in ASME-B16.15.
6. Marking: In accordance with ASME-B16.15.
7. Part or Identifying Number (PIN): The MS PIN consists of the MS number, the dash number, and the fitting Identification letter(s). When left-hand threads are required, add the letter "L" to the PIN.

FIGURE 1. Elbows, tees, crosses and coupling fittings – Continued.

## PIN:



## Examples:

- MS14311 – 5Q represents a 1 NPS tee.  
MS14311 – 8SL represents a 2 NPS 45° elbow, left-hand threads.

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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 WW-P-460, this document references the following:

ASME-B16.15

#### CONCLUDING MATERIAL

Custodians:

Army - AT  
Navy - MC  
Air Force - 99  
DLA - CC

Preparing activity:

DLA - CC

(Project 4730-2009-009)

Review activities:

Army - AR, CE, EA  
Navy - SA, SH, YD  
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 <http://assist.daps.dla.mil>