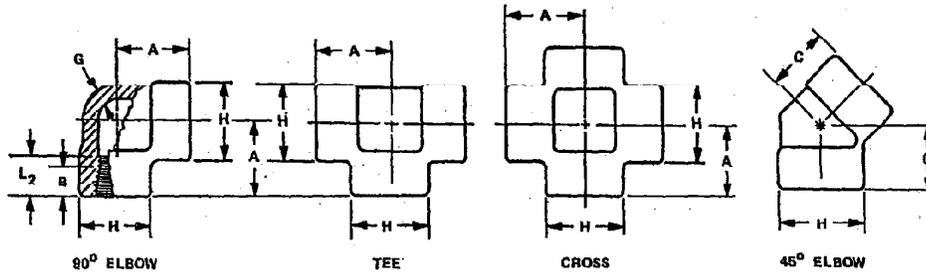


FED. SUP CLASS
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NOTES:

- Ⓐ 1. Crosses, elbows, and tees shall be in accordance with the procurement specification, ANSI B16.11.
- Ⓐ 2. Dimensions are in inches and are given in ANSI B16.11 under the table for forged steel threaded fittings.
- Ⓐ 3. Forged carbon steel fittings shall be electrodeposited zinc coated when specified by the MS part number. The zinc coating shall conform to ASTM B633 Type I Class SC3 and shall be applied after machining and threading operations.
- 4. Referenced documents shall be of the issue in effect on date of invitations for bids or request for proposal.
- 5. For design feature purposes, this standard takes precedence over procurement documents referenced herein.
- Ⓐ 6. The MS part number consists of the MS number with a dash after it, the material and finish code number, the kind and pressure rating code letter, and the size code number(s) as follows:

MS14300 - X X XX

Military standard number _____
 Material and finish code number (see NOTE 7) _____
 Kind and pressure rating code letter (see NOTE 8) _____
 Size code number(s) (see NOTE 9) _____

- Ⓐ 7. The material and finish of the fitting are identified by a single digit as follows:

Code Number	Material and Finish (if applicable)
1	Carbon Steel (ASTM A 105 or A 181-70), not zinc coated
2	Carbon Steel (ASTM A 105 or A 181-70), zinc coated
3	4-6% Chromium - 1/2% Molybdenum (ASTM A 182 - F5)
4	1 1/4% Chromium - 1/2% Molybdenum (ASTM A 182 - F11)
5	2 1/4% Chromium - 1% Molybdenum (ASTM A 182 - F22)
6	304 Stainless Steel (ASTM A 182 - F304)
7	316 Stainless Steel (ASTM A 182 - F316)

PROJECT NO. 4730-0520

P.A. NAVY - YD	International Interest	TITLE PIPE FITTINGS, STEEL, THREADED, PRESSURE CLASS 2000, 3000, AND 6000	MILITARY STANDARD MS 14303
Other Cust ARMY - ME AIR FORCE 99 Ⓐ	Procurement Specification ANSI B16.11 Ⓐ	SUPERSEDES:	PAGE 1 OF 2

User activities: Ⓐ
ARMY - UE
NAVY - MC
AIR FORCE -

Review activities: Ⓐ
ARMY - AR & BA
NAVY -
AIR FORCE -

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

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8. The kind of fitting and pressure class of the fitting are identified by a single alphabetic character as follows:

Kind of Fitting	Pressure Class Rating		
	Class 2000	Class 3000	Class 6000
Cross, pipe	A	B	C
Elbow, pipe (45°)	D	E	F
Elbow, pipe (90°)	H	J	K
Tee, pipe	P	R	T

9. The nominal pipe size of the fitting is normally identified by two digits as shown in the chart below. The size code number will contain two digits when the ends of the fitting are all the same size. However, when the ends of the fittings are different sizes, the size code number will contain groups of two digits which identify each end of the fitting (i.e. reducing elbow is 16 12 for 1/2 inch to 3/4 inch and reducing tee is 24 12 20 for run ends of 1/2 inch and 3/4 inch and branch end of 1 1/4 inch). Reducing cross and reducing tee ends shall be identified in arrangement order as specified in ANSI B16.11. Reducing elbow ends will be identified by stating the larger pipe size first.

Size Code	Nominal Pipe Size	Size Code	Nominal Pipe Size
02	1/8 inch	20	1-1/4 inch
04	1/4 inch	24	1-1/2 inch
06	3/8 inch	32	2 inch
08	1/2 inch	40	2-1/2 inch
12	3/4 inch	48	3 inch
16	1 inch	64	4 inch

User activities: Army - CE
Navy - MC
Air Force -

Review activities: Army - Alt & EA
Navy -
Air Force -

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PROJECT NO. 4730-0520

P.A. NAVY - YD	International Interest	TITLE	MILITARY STANDARD
Other Cust ARMY - ME AIR FORCE 99 (A)		PIPE FITTINGS, STEEL, THREADED, PRESSURE CLASS 2000, 3000, AND 6000	MS 14303
Procurement Specification ANSI B16.11 (A)		SUPERSEDES:	PAGE 2 OF 2

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