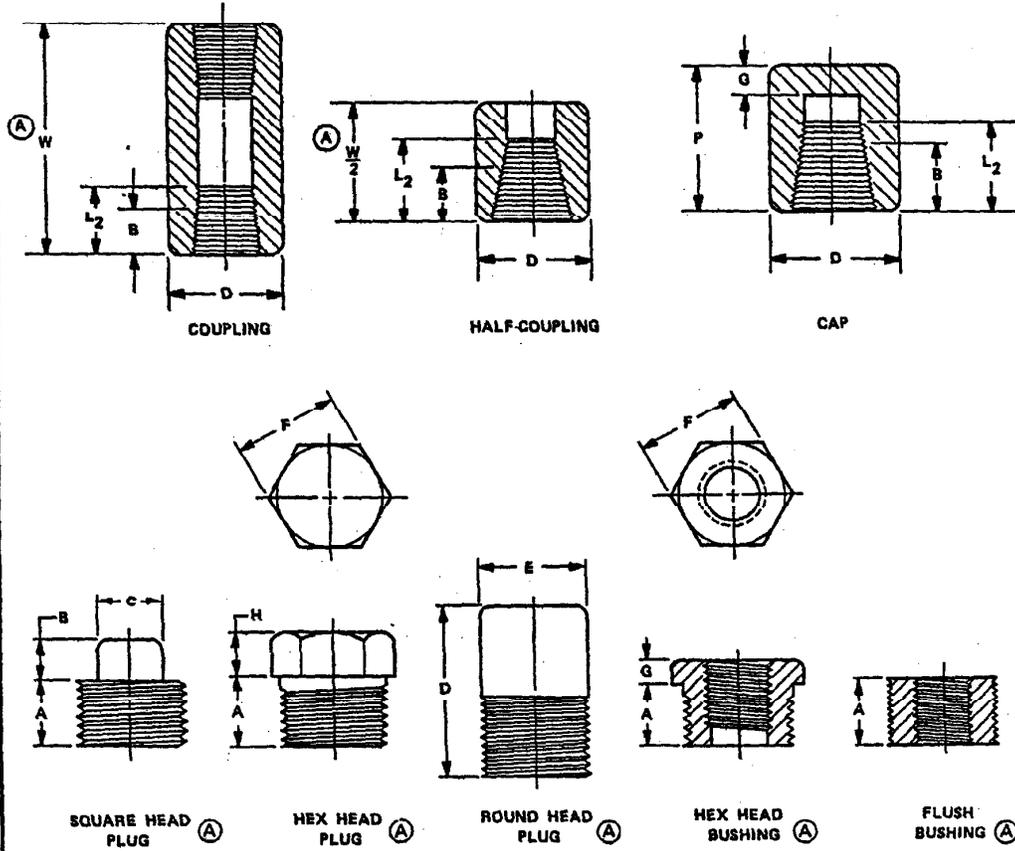


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User activities: Army - CE (A)  
Navy - NC  
Air Force -

Review activities: Army - AR & EA (A)  
Navy -  
Air Force -



NOTES:

- (A) 1. Bushings, caps, couplings, and plugs shall be in accordance with the procurement specification, ANSI B16.11.
- (A) 2. Dimensions are in inches and are given in ANSI B16.11 under the tables for steel threaded fittings and steel plugs and bushings.
- (A) 3. 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.

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.

APPROVED 30 NOV 1973 REVISED (A) 22 Feb 1962

P.A NAVY - YD Other Cust ARMY - ME AIR FORCE 99 (A)	International Interest	TITLE	MILITARY STANDARD
		COUPLINGS, CAPS, PLUGS, AND BUSHINGS; PIPE THREADED; PRESSURE CLASS 3000 AND 6000	MS 14304
Procurement Specification ANSI B16.11 (A)		SUPERSEDES:	PAGE 1 OF 2

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- 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:

MS14304 - 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 A105 or A181-70), not zinc coated
2	Carbon Steel (ASTM A105 or A181-70), zinc coated
3	4-6% Chromium - 1/2% Molybdenum (ASTM A182 - F5)
4	1 1/4% Chromium - 1/2% Molybdenum (ASTM A182-F11)
5	2 1/4% Chromium - 1% Molybdenum (ASTM A182 - F22)
6	304 Stainless Steel (ASTM A182 - F304)
7	316 Stainless Steel (ASTM A182 - F316)

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

Kind of Fitting	Pressure Class Rating	
	Class 3000	Class 6000
Cap, pipe	A	B
Coupling, pipe	C	D
Outlet, pipe (half-coupling)	E	F
Plug, pipe (round head)	H	
Plug, pipe (square head)	J	
Plug, pipe (hex head)		P
Bushing, pipe (flush)		R
Bushing, pipe (hex head)		T

- 9. The nominal pipe size of the fitting is identified by two digits as shown in chart below except for bushings where the size code number will contain four digits (the first two digits for the larger nominal pipe size and the last two digits for the small, nominal pipe size).

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

① User activities: Army - CE  
Navy - MC  
Air Force -

① Review activities: Army - AR & EA  
Navy -  
Air Force -

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REVISED ① FOR CHANGES SEE PAGES 1 AND 2

APPROVED 30 NOV 1973

P.A NAVY - YD	International Interest	TITLE COUPLINGS, CAPS, PLUGS, AND BUSHINGS; PIPE THREADED; PRESSURE CLASS 3000 AND 6000	MILITARY STANDARD
Other Cust ARMY - ME AIR FORCE 98 ①			MS 14304
Procurement Specification ANSI B16.11 ①		SUPERSEDES:	PAGE 2 OF 2