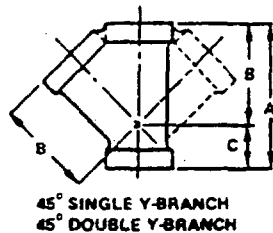


FIGURE 1



(A) TABLE I. Dimensions (Straight Sizes).

Nominal Pipe Size	End to End A	Center to End B	Center to End C
1-1/4	5	3-1/4	1-3/4
1-1/2	5-1/2	3-5/8	1-7/8
2	6-1/2	4-3/8	2-1/8
2-1/2	7-1/8	5-3/8	2-1/2
3	9	6-3/16	2-13/16
4	10-7/8	7-11/16	3-3/16
5	12-15/16	9-3/16	3-3/4
6	14-7/8	10-3/4	4-1/8
8	18-13/16	13-9/16	5-1/4

(A) TABLE II. Dimensions (Reducing Sizes).

Nominal Pipe Size	End to End A	Center to End B	Center to End C	Center to End D
1-1/2 x 1-1/4	5-1/4	3-7/16	3-1/2	1-3/4
2 x 1-1/2	5-7/8	4-1/8	4-1/16	1-13/16
2-1/2 x 1-1/2	6-7/16	4-5/8	4-9/16	1-7/8
2-1/2 x 2	7-1/16	5-1/8	4-15/16	2-1/8
3 x 1-1/2	6-5/8	5-1/16	4-15/16	1-11/16
3 x 2	7-3/8	5-3/8	5-5/16	2-1/16
3 x 2-1/2	8	5-13/16	5-11/16	2-5/16
4 x 1-1/2	7-3/16	6-1/16	5-3/4	1-7/16
4 x 2	7-11/16	6-5/16	6	1-11/16
4 x 3	9-1/4	7-3/16	6-7/8	2-3/8
5 x 2	8-1/4	7-3/16	6-7/8	1-3/8
5 x 3	9-13/16	7-7/8	7-7/8	2-3/16
5 x 4	11-3/8	8-1/2	8-7/16	2-15/16
6 x 2	8-7/16	8-1/16	7-9/16	7/8
6 x 3	10	8-3/4	8-5/16	1-11/16
6 x 4	11-7/8	9-3/8	9-1/16	2-13/16
6 x 5	13	10	9-13/16	3-3/16
8 x 4	11-7/16	11	10-7/16	1
8 x 6	15-15/16	12-3/8	11-7/8	3-1/16

(A) NOTES:

- MATERIAL:** Material shall be in accordance with ANSI B16.12.
- COATING:** Coatings shall be in accordance with ANSI B16.12 and shall be uncoated, coated with a bituminous composition or zinc coated as specified by the MS part number.
- DIMENSIONS:** All dimensions are in inches and shall be in accordance with ANSI B16.12. Double Y-branches have the same dimensions as single Y-branches.
- THREADED ENDS:** The threaded ends shall be in accordance with ANSI B16.12. All drainage fittings having openings at 90 degree nominal angle shall be tapped with a pitch of 1/4 inch in one foot with the pitch in the direction shown in ANSI B16.12.
- GENERAL:**
 - Referenced documents shall be of the issue in effect on date of invitations for bid or requests for proposal.
 - For design feature purposes, this standard takes precedence over procurement documents referenced herein.
 - The US Government has a Federal Supply Cataloging system which establishes approved item names to catalog and standardized items used within the government. The Federal Supply Cataloging System's approved item name may not be the same name that is used in commercial or industrial organizations. Therefore, the government name and equivalent commercial name are listed here for fittings on this MS.

(A) DENOTES CHANGES

P.A. NAVY-YD Other Cust ARMY-ME (A)	Interchangeable Inspection	TITLE (A) Y-BRANCHES, 45°, STRAIGHT AND REDUCING, CAST-IRON THREADED DRAINAGE	MILITARY STANDARD MS90525
Procurement Specification ANSI B16.12 (A)	SUPERSEDES:		PAGE 1 OF 2

FED. SUP CLASS
4730

Fed. Gov. Nomenclature	Commercial Nomenclature
Lateral, drainage pipe	45 degree single Y-branch
Lateral, drainage pipe	45 degree double Y-branch
Lateral, drainage pipe	45 degree single Y-branch (reducing)
Lateral, drainage pipe	45 degree double Y-branch (reducing)

6. **PART NUMBER:** The MS part number is formed by combining the MS number with a dash after it, the size code number, the Y-branch style letter, and the coating identification number.

MS 90525 - XX X X

Size code number (see note 7) ————

Y-branch style letter (see note 8) ————

Coating identification number (see note 9) ————

7. **SIZE:** The nominal pipe size is designated by two digits (see table III). For reducing Y-branches, the first size given is for the run ends and the other size is for the reduced branch end(s).

TABLE III. Code Number to Size.

Code Number	Nominal Pipe Size	Code Number	Nominal Pipe Size
01	1 1/4	15	3 X 2
02	1 1/2	16	3 X 2 1/2
03	2	17	4 X 1 1/2
04	2 1/2	18	4 X 2
05	3	19	4 X 3
06	4	20	5 X 2
07	5	21	5 X 3
08	6	22	5 X 4
09	8	23	6 X 2
10	1 1/2 X 1 1/4	24	6 X 3
11	2 X 1 1/2	25	6 X 4
12	2 1/2 X 1 1/2	26	6 X 5
13	2 1/2 X 2	27	8 X 4
14	3 X 1 1/2	28	8 X 6

8. **Y-BRANCH STYLE:** The style of Y-branch is designated by a single letter (see table IV).

TABLE IV. Code Letter to Y-Branch Style.

Code Letter	Y-Branch Style
V	45 degree single Y-branch
W	45 degree double Y-branch
X	45 degree single Y-branch (reducing)
Y	45 degree double Y-branch (reducing)

9. **COATINGS:** The type of coating is designated by a digit (see table V).

TABLE V. Code Number to Coating.

Code Number	Coating
1	Uncoated
2	Bituminous composition
3	Zinc coated

REVISED (A) 11 January 1983

APPROVED 31 October 1972

P.A. NAVY-YD Other Cust ARMY-ME (A)	International Incorporation	TITLE (A) Y-BRANCHES, 45°, STRAIGHT AND REDUCING, CAST-IRON THREADED DRAINAGE	MILITARY STANDARD
			MS90525
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DLA-CS