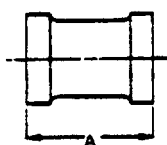


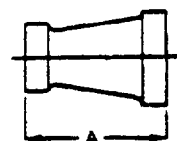
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FIGURE 1



COUPLINGS

FIGURE 2

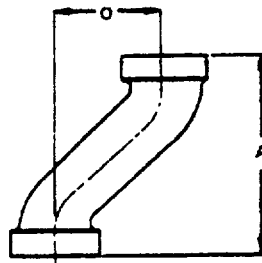


INCREASERS

(A) TABLE I. Coupling Dimensions.

Nominal Pipe Size	End to End A
1-1/4	3
1-1/2	3-3/8
2	3-3/4
2-1/2	4
3	4-1/4
4	4-1/2
4-3/4	4-3/4
5	5
5-5/8	5-5/8

FIGURE 3



OFFSETS

(A) TABLE II. Increaser Dimensions.

Nominal Pipe Size	End to End A
1-1/2 x 2	9
2 x 2-1/2	9
2 x 3	9
2 x 4	9
2 x 5	9
2-1/2 x 3	9
3 x 4	9
3 x 5	9
4 x 5	9
4 x 6	9
4 x 8	9
5 x 6	9
5 x 8	9
6 x 8	9

(A) TABLE III. Offset Dimensions.

Nominal Pipe Size	Offset O	End to End A	Nominal Pipe Size	Offset O	End to End A
2	4	7-1/2	4	10	15-3/4
2	6	9-1/2	4	12	17-3/4
2	8	11-1/2	5	6	12-5/8
2	10	13-1/2	5	8	14-5/8
3	4	8-3/4	5	10	16-5/8
3	6	10-3/4	5	12	18-5/8
3	8	12-3/4	6	6	13-5/8
3	10	14-3/4	6	8	15-5/8
4	4	9-3/4	6	10	17-5/8
4	6	11-3/4	6	12	19-5/8
4	8	13-3/4			

(A) NOTES:

- MATERIAL:** Material shall be in accordance with ANSI B16.12.
- COATINGS:** 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.
- THREADED ENDS:** The threaded ends shall be in accordance with 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 standardize items used within the government. The Federal Supply Cataloging System's approved item name may not be the same 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)	Interpretation Interpret	TITLE COUPLINGS, INCREASERS, OFFSETS, CAST-IRON THREADED DRAINAGE	MILITARY STANDARD MS90526
Procurement Specification ANSI B16.12 (A)		SUPERSEDES:	PAGE 1 OF 2

User activities: Army - CE
Navy - MC
Air Force - 99Review activities: Army -
Navy -
Air Force -
DLACS

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4730

Fed. Gov. Nomenclature	Commercial Nomenclature
Coupling, drainage pipe	coupling
Reducer, pipe	increaser
Offset, drainage pipe	offset

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

MS 90526 - XX X X

Size code number (see note 7) ————
 Fitting style code number (see note 8) ————
 Coating identification number (see note 9) ————

7. SIZE: The nominal pipe size and for offsets the offset dimensions are designated by two digits (see table IV).

TABLE IV. Code Number to Size.

Code Number	Coupling or Increaser Nominal Pipe Size	Code Number	Offset Nominal Pipe Size	Offset Measurement
1	1 1/4	20	2	4
2	1 1/2	21	2	6
3	2	22	2	8
4	2 1/2	23	2	10
5	3	24	3	4
6	4	25	3	6
7	5	26	3	8
8	6	27	3	10
9	8	28	4	4
10	1 1/2 X 2	29	4	6
11	2 X 2 1/2	30	4	8
12	2 X 3	31	4	10
13	2 1/2 X 3	32	4	12
14	3 X 4	33	5	4
15	3 X 5	34	5	6
16	4 X 5	35	5	8
17	4 X 6	36	5	10
18	5 X 6	37	6	4
19	5 X 8	38	6	6
42	6 X 8	39	6	8
43	6 X 8	40	6	10
44	6 X 8			12

8. FITTING STYLE: The style of the fitting is designated by a single letter (see table V).

TABLE V. Code Letter to Fitting Style.

Code Number	Fitting Style
X	Coupling
Y	Increaser
Z	Offset

9. COATING: The type of coating is designated by a digit (see table VI).

TABLE VI. Code Number to Coating.

Code Number	Coating
1	Uncoated
2	Bituminous composition
3	Zinc coated

P.A. NAVY-YD Other Cust ARMY-ME (A)	International Intersect	TITLE COUPLINGS, INCREASERS, OFFSETS, CAST-IRON THREADED DRAINAGE	MILITARY STANDARD
			MS90526
Procurement Specification ANSI B18.12 (A)	SUPERSEDES:		PAGE 2 OF 2

REVISED (A) 11 January 1983

APPROVED 31 October 1972

(A) User activities: Army - CE
Navy - MC
Air Force - 99

(A) Review activities: Army -
Navy -
Air Force -
DLA-CS