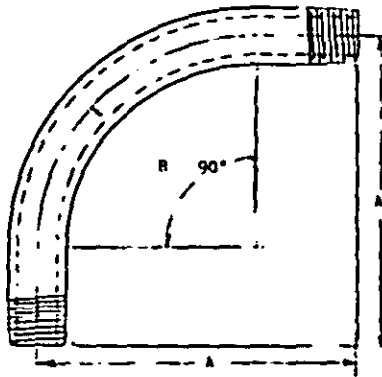
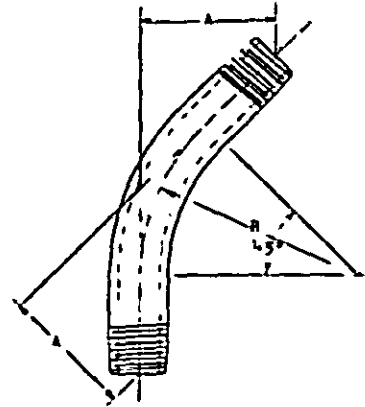


REQ. SUP CLASS  
5975

90° BEND



45° BEND

REVIEW ACTIVITIES :  
USER ACTIVITIES :

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 SUPPLEMENTARY USE SHALL BE MADE FROM THIS DOCUMENT.

## NOTES:

1. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.
2. THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
3. REMOVE ALL BURRS AND SHARP EDGES.
4. THREADS SHALL BE IN ACCORDANCE WITH HANDBOOK H-28, TABLE VII.2, AMERICAN STANDARD TAPER PIPE THREADS (3/4 IN. TAPER PER FT.),  $\frac{1}{2}$  ONE TURN OF INSPECTION GAGE FROM BASIC DIMENSIONS.

(A): FOR CHANGES SEE SHEET 2

P.A. ME Other Code NAVY - YD AIR FORCE - 80	TITLE BENDS, ELECTRICAL CONDUIT 90° & (A) 45° ZINC-COATED STD THK-WALL STEEL	MILITARY STANDARD MS 75022
PROCUREMENT SPECIFICATION WW-C-581	SUPERSEDES	SHEET 1 OF 2

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

APPROVED 22 November 1960 REVISED (A) 8 JANUARY 1973

FED. SUP CLASS  
5975

## DIMENSION TOLERANCES:

- (a) OUTSIDE DIA.: BEFORE BENDING:  $+1/64$  INCH OR  $-1/32$  IN. FOR THE 1-1/2 IN. AND SMALLER SIZES;  $\pm 1$  PERCENT FOR THE 2 IN. AND LARGER SIZES.
- (b) WALL THICKNESS:  $-12-1/2$  PERCENT.
- (c) OFFSET A:  $\pm 1/4$  IN. FOR SIZES THRU 2 IN.;  $\pm 1/2$  IN. FOR SIZES 2-1/2 IN. THRU 6 IN.
- (d) RADIUS R:  $+1/4$  IN. - 0 FOR SIZES THRU 2 IN.;  $+1/2$  IN. - 0 FOR SIZES 2-1/2 IN. THRU 6 IN.
- (e) OTHERS: AS NOTED.

## DIMENSIONS IN INCHES

MS PART NO.	NOM. SIZE	ANGLE $\pm 2^\circ$	FINISH	DIAMETERS		RADIUS R	OFFSET A	NPT THDS	WALL THK
				EXT.	INT. (REF)				
- 1	1/2	90°	GALV.	.840	.822	4	6-5/8	14	.109
- 3	1/2	45°	GALV.	.840	.822	4	3-1/16	14	.109
- 5	3/4	90°	GALV.	1.050	.824	4-1/2	7-1/4	14	.113
- 7	3/4	45°	GALV.	1.050	.824	4-1/2	3-5/16	14	.113
- 9	1	90°	GALV.	1.315	1.049	5-3/4	8-5/8	11-1/2	.133
-11	1	45°	GALV.	1.315	1.049	5-3/4	3-3/4	11-1/2	.133
-13	1-1/4	90°	GALV.	1.660	1.380	7-1/4	10-1/4	11-1/2	.140
-15	1-1/4	45°	GALV.	1.660	1.380	7-1/4	4-1/4	11-1/2	.140
-17	1-1/2	90°	GALV.	1.900	1.610	8-1/4	11-3/8	11-1/2	.145
-19	1-1/2	45°	GALV.	1.900	1.610	8-1/4	4-5/8	11-1/2	.145
-21	2	90°	GALV.	2.375	2.067	9-1/2	13-1/2	11-1/2	.154
-23	2	45°	GALV.	2.375	2.067	9-1/2	5-5/8	11-1/2	.154
-25	2-1/2	90°	GALV.	2.875	2.469	10-1/2	15-1/4	8	.203
-27	2-1/2	45°	GALV.	2.875	2.469	10-1/2	8-1/2	8	.203
-29	3	90°	GALV.	3.500	3.068	13	18-1/4	8	.216
-31	3	45°	GALV.	3.500	3.068	13	7-1/2	8	.216
-33	3-1/2	90°	GALV.	4.000	3.548	15	21-1/4	8	.226
-35	3-1/2	45°	GALV.	4.000	3.548	15	8-7/8	8	.226
-37	4	90°	GALV.	4.500	4.026	16	23	8	.237
-39	4	45°	GALV.	4.500	4.026	16	9-3/4	8	.237
-41	5	90°	GALV.	5.563	5.047	24	31-3/8	8	.258
-43	5	45°	GALV.	5.563	5.047	24	12-1/4	8	.258
-45	6	90°	GALV.	6.625	6.065	30	37-7/8	8	.280
-47	6	45°	GALV.	6.625	6.065	30	14-1/2	8	.280

(A): FOR CHANGES SEE SHEET 2.

P.A. ME Other Cust NAVY- YD AIR FORCE- 80	TITLE (A) BENDS, ELECTRICAL CONDUIT 90° & 45° ZINC-COATED STD THK-WALL STEEL	MILITARY STANDARD MS 75022
PROCUREMENT SPECIFICATIONS WW-C-581	SUPERSEDES:	SHEET 2 OF

DD FORM 1 SEP 57 672-1 (Continued)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

REVIEW ACTIVITIES:  
USER ACTIVITIES:

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 REPEITIVE USE SHALL BE MADE FROM THIS DOCUMENT.

APPROVED 22 November 1960 REVISED (A) FOR CHANGES SEE SHEET 2

<b>STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL</b>		Form Approved Budget Bureau No. 22-0255
<b>INSTRUCTIONS:</b> This sheet is to be filled out by personnel, either Government or contractor, involved in the use of the specification in procurement of products for ultimate use by the Department of Defense. This sheet is provided for obtaining information on the use of this specification which will insure that suitable products can be procured with a minimum amount of delay and at the least cost. Comments and the return of this form will be appreciated. Fold on lines on reverse side staple in corner, and send to preparing activity. Comments and suggestions submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or serve to amend contractual requirements.		
<b>SPECIFICATION</b> MS 75022A Bends, Electrical Conduit 90° & 45° Zinc-Coated Std Thk-Wall Steel		
<b>ORGANIZATION</b>		
<b>CITY AND STATE</b>	<b>CONTRACT NUMBER</b>	
<b>MATERIAL PROCURED UNDER A</b> <input type="checkbox"/> DIRECT GOVERNMENT CONTRACT <input type="checkbox"/> SUBCONTRACT		
<b>1. HAS ANY PART OF THE SPECIFICATION CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE?</b> A. GIVE PARAGRAPH NUMBER AND WORDING.		
<b>B. RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES</b>		
<b>2. COMMENTS ON ANY SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID</b>		
<b>3. IS THE SPECIFICATION RESTRICTIVE?</b> <input type="checkbox"/> YES <input type="checkbox"/> NO (If "yes", in what way?)		
<b>4. REMARKS</b> (Attach any pertinent data which may be of use in improving this specification. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity)		
<b>SUBMITTED BY</b> (Printed or typed name and activity - Optional)		<b>DATE</b>

**DD FORM 1426**  
11 Oct 72 (Rev)

REPLACES EDITION OF 1 OCT 64 WHICH MAY BE USED

FOLD

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U. S. ARMY MOBILITY EQUIPMENT  
RESEARCH. DEVELOPMENT  
CENTER  
FORT BELVOIR, VIRGINIA 22060

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