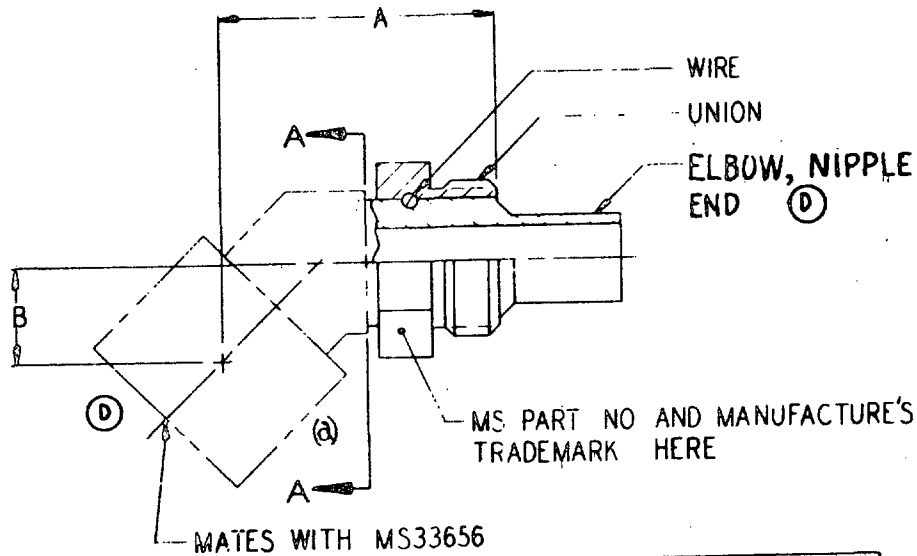


User Activities:  
Army - WC, ME, MI

Review Activities:  
Army - AV  
Navy - AS  
Air Force - 62

This drawing is intended to be used as a reference only and is not to be used for the design of a product. It is not to be used for the design of a product. It is not to be used for the design of a product.



MS PART NO.	WIRE	UNION NIPPLE (D)	ELBOW, NIPPLE END (D)	A ± .035	B ± .035
MS27063-10C	MS27072-10C	MS27071-10C	MS27087-10C	1.486	.536
MS27063-10		MS27071-10D	MS27087-10D		
MS27063-12C	MS27072-12C	MS27071-12C	MS27087-12C	1.937	.623
MS27063-12		MS27071-12D	MS27087-12D		
MS27063-16C	MS27072-16C	MS27071-16C	MS27087-16C	1.993	.660
MS27063-16		MS27071-16D	MS27087-16D		
MS27063-20C	MS27072-20C	MS27071-20C	MS27087-20C	2.252	.768
MS27063-20		MS27071-20D	MS27087-20D		
MS27063-24C	MS27072-24C	MS27071-24C	MS27087-24C	2.561	.867
MS27063-24		MS27071-24D	MS27087-24D		

(D) "A" IS THE DIMENSION BETWEEN THE HOSE END OF THE THREADED SECTION OF THE UNION AND THE FREE END OF THE INSERT AT ITS CENTERLINE.

(D) "B" IS THE DIMENSION BETWEEN THE CENTERLINE OF THE NIPPLE AND THE FREE END OF THE INSERT AT ITS CENTERLINE.

P A Air Force-11 Other Use: Army - AV Navy - AS Procurement Specification MIL-F-27272	TITLE ELBOW SUB ASSEMBLY, FLARED, 45°, SWIVEL NUT	MILITARY STANDARD
		MS27063
SUPERSEDES	SHEET 1 OF 2	

DD FORM 672

Coordinated with the Department of Defense and the Department of the Army.

APPROVED 1 Sep 61 Revised (A) 2 Jul 63 (B) 2 May 66 (C) 6 Mar 69 (D) 30 Jun 72

NOTE: The Government has a royalty free license under the following listed patents for the benefit of Manufacturers of the item either for the Government or for use in equipment to be delivered to the Government. (U.S. Patent Nos. 2,833,567; 3,044,163; 3,055,682)

User Activities:  
Army - WC, ME, MI

Review Activities:  
Army - AV  
Navy - AS  
Air Force - 02

This military standard is approved by the Department of Defense and is mandatory on all activities. Deletion by all new engineering and design applications and for repetitive use shall be made from this document.

FED. SUP CLASS  
4730

MATERIAL : SUFFIX "C" : CORROSION RESISTING STEEL, SUFFIX "D", ALUMINUM ALLOY, NO SUFFIX : COMBINATION OF ALUMINUM ALLOY AND CORROSION RESISTING STEEL. SEE MS STANDARDS LISTED ON SHEET 1 FOR MATERIAL SPECIFICATIONS.

CORROSION RESISTING STEEL : DO NOT PASSIVATE. ALUMINUM ALLOY: ANODIZE SPECIFICATION MIL-A-8625 TYPE II, DYE BLUE.

THESE PARTS FOR USE WITH MIL-H-27267 HOSE.

THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.

REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

ANY BENT TUBE DESIGN OF ADAPTER COMPONENTS TO THE LEFT OF PLANE A-A IS ACCEPTABLE PROVIDED : DIM'S "A" AND "B", THE MATERIALS SPECIFIED, THE FABRICATION NOTES OF THIS STANDARD AND THE REQUIREMENTS OF THE PROCUREMENT SPECIFICATION ARE MET.

(a) IF REQUIRED, LOCKWIRE HOLES TO BE DRILLED IN ACCORDANCE WITH AS1043 AND SUFFIX "L" ADDED TO PART NUMBER, EXAMPLE : MS27063-10CL.

NEXT ASSEMBLY MS27055

(D) THE INSIDE DIAMETER (ID) OF THE ELBOW SHALL NOT BE LESS THAN THE ID OF THE NIPPLE. OVALITY SHALL NOT EXCEED 7.5 PERCENT OF THE NOMINAL TUBING OUTSIDE DIAMETER. THE MINIMUM WALL THICKNESS AT THE ELBOW BEND SHALL NOT BE LESS THAN .034 INCH FOR THE -10 THRU -20 SIZES, AND .044 INCH FOR THE -24 SIZE.

APPROVED 1 SEP 61 REVISED (D) FOR CHANGES SEE SHEETS 1 AND 2.

NOTE: The Government has a royalty free license under the following listed patents for the benefit of Manufacturers of the item either for the Government or for use in equipment to be delivered to the Government. (U.S. Patent Nos. 2,833,567; 3,044,163; 3,055,662)

P.A. Air Force - II Other Cust Army - AV Navy - AS Procurement Spec/Hatches MIL-F-27272	TITLE ELBOW SUB ASSY, FLARED, 45°, SWIVEL NUT	MILITARY STANDARD
		MS27063
	SUPERSEDES:	SHEET 2 OF 2

DD FORM 672 (Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.