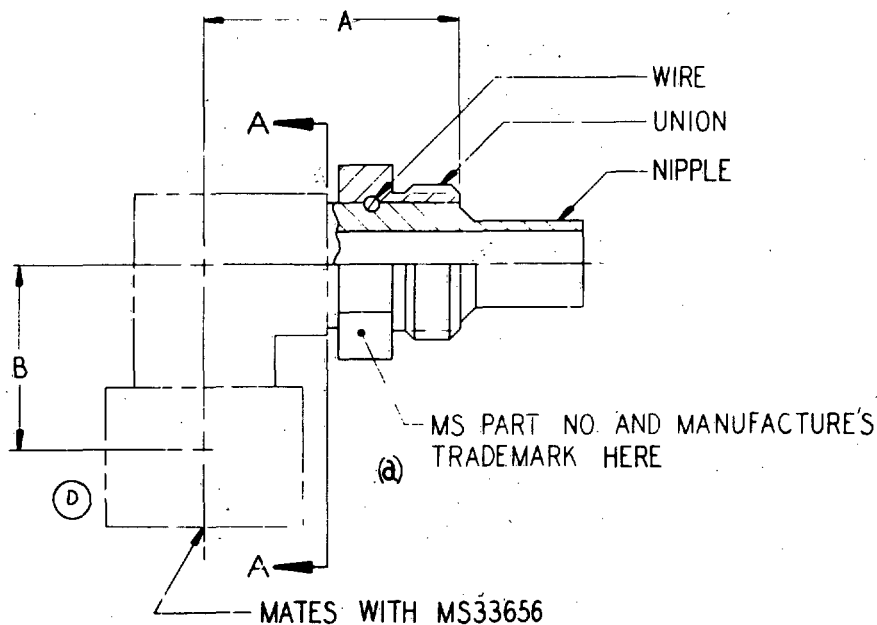


FFD SUP CLASS
4730

User Activities:
Army - WC, ME, MI

Review Activities: AV
Army - AS
Navy - AS

This military standard is approved by the Department of Defense and is mandatory on all contractors. It is not intended to be used as a basis for engineering and design applications and for repetitive use shall be made from this document.



MS PART NO.	WIRE	(D) UNION NIPPLE	(D) ELBOW, NIPPLE END	A ± .035	B ± .035
MS27065-1 0C	MS27072-1 0C	MS27071-1 0C	MS27086-1 0C	1.315	1.126
MS27065-1 0		MS27071-1 0D	MS27086-1 0D		
MS27065-1 2C	MS27072-1 2C	MS27071-1 2C	MS27086-1 2C	1.808	1.376
MS27065-1 2		MS27071-1 2D	MS27086-1 2D		
MS27065-1 6C	MS27072-1 6C	MS27071-1 6C	MS27086-1 6C	1.901	1.500
MS27065-1 6		MS27071-1 6D	MS27086-1 6D		
MS27065-20C	MS27072-20C	MS27071-20C	MS27086-20C	2.180	1.782
MS27065-20		MS27071-20D	MS27086-20D		
MS27065-24C	MS27072-24C	MS27071-24C	MS27086-24C	2.500	2.032
MS27065-24		MS27071-24D	MS27086-24D		

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

④ "B" IS THE DIMENSION BETWEEN THE CENTERLINE OF THE NIPPLE AND THE FREE END OF THE INSERT.

(D) FOR CHANGES SEE SHEETS 1&2

P-2 Air Force - II Other Cost Army - AV Navy - AS Procurement Specification MIL-F-27272	TITLE ELBOW SUB ASSEMBLY, FLARED, 90°, SWIVEL NUT	MILITARY STANDARD MS27065 SHEET 1 OF 2
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DD FORM 672
SEP 64

Coordinated by: _____

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
Navy - AS
Air Force - B2

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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 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 : MS27065-10CL

NEXT ASSEMBLY MS27057

- (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 SIZE, 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; 3,055,682)

P.A. Air Force - 11 Other Cust Army - AV Navy - AS (D)	TITLE ELBOW SUB ASSEMBLY, FLARED, 90° SWIVEL NUT	MILITARY STANDARD MS27065
Procurement Specification MIL-F-27272	SUPERSEDES:	SHEET 2 OF 2