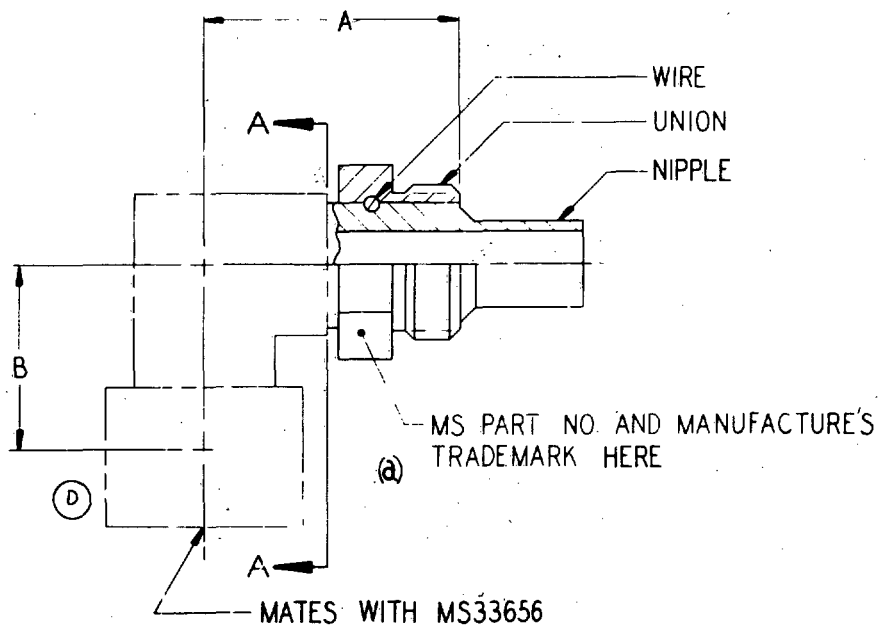


FFD SUP CLASS
4730User Activities:
Army - WC, ME, MIReview Activities:
Army - AV
Navy - AS
Air Force - 82

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



MS PART NO.	WIRE	(D) UNION NIPPLE	(D) ELBOW, NIPPLE END	A ± .035	B ± .035
MS27065-10C	MS27072-10C	MS27071-10C	MS27086-10C	1.315	1.126
MS27065-10		MS27071-10D	MS27086-10D		
MS27065-12C	MS27072-12C	MS27071-12C	MS27086-12C	1.808	1.376
MS27065-12		MS27071-12D	MS27086-12D		
MS27065-16C	MS27072-16C	MS27071-16C	MS27086-16C	1.901	1.500
MS27065-16		MS27071-16D	MS27086-16D		
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.

(D) "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 A Air Force - 11	TITLE	MILITARY STANDARD
Other Cust Army - AV Navy - AS	ELBOW SUB ASSEMBLY, FLARED, 90° SWIVEL NUT	MS27065
Procurement Specification MIL-F-27272	SUPERSEDED	SHEET 1 OF 2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
Navy - AS
Air Force - B2

This military standard is approved by the Department of Defense and is mandatory on all activities. Selection for 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 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