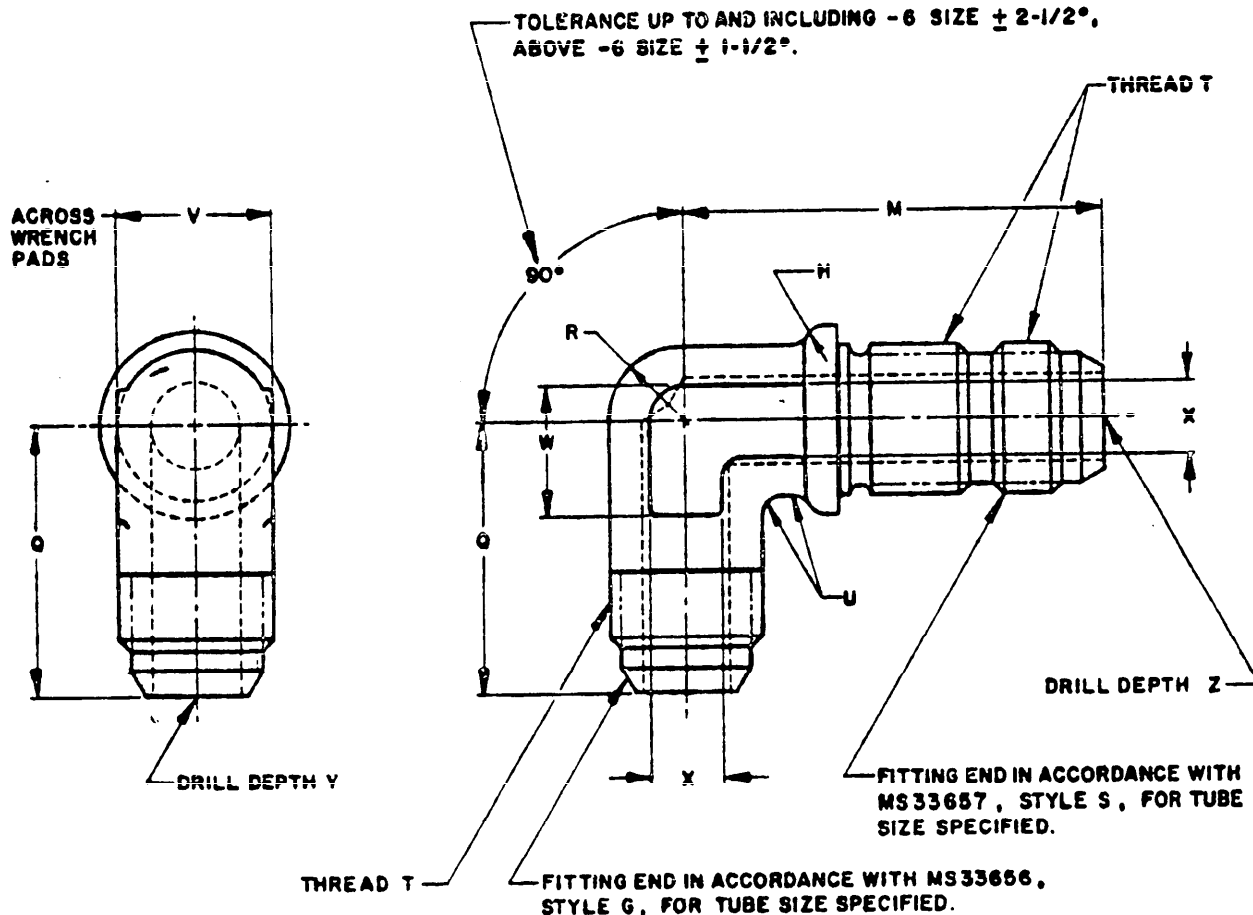


FED. SUP CLASS
 4730



MATERIAL: TITANIUM ALLOY - BARS, SHAPES OR FORGINGS.
 STEEL-BARS, SHAPES, OR FORGINGS.
 ALUMINUM ALLOY - BARS, SHAPES, OR FORGINGS.
 CORROSION RESISTANT STEEL - BARS, SHAPES, OR FORGINGS.
 SEE PROCUREMENT SPECIFICATION.

FINISH: SEE PROCUREMENT SPECIFICATION.

NO CODE LETTER IN PART NUMBER FOR STEEL.
 ADD D AFTER DASH NUMBER FOR ALUMINUM ALLOY (EXCEPT 7075-T73).
 ADD J AFTER DASH NUMBER FOR CORROSION RESISTANT STEEL, TYPE 304.
 ADD K AFTER DASH NUMBER FOR CORROSION RESISTANT STEEL, TYPE 316.
 ADD S AFTER DASH NUMBER FOR CORROSION RESISTANT STEEL, TYPE 347.
 ADD T AFTER DASH NUMBER FOR TITANIUM.
 ADD W AFTER DASH NUMBER FOR 7075-T73.

EXAMPLE OF PART NUMBERS.

AN833-8 - ELBOW, 1/2 TUBING, STEEL.
 AN833-8D - ELBOW, 1/2 TUBING, ALUMINUM ALLOY (EXCEPT 7075-T73).
 AN833-8J - ELBOW, 1/2 TUBING, CORROSION RESISTANT STEEL, TYPE 304.
 AN833-8K - ELBOW, 1/2 TUBING, CORROSION RESISTANT STEEL, TYPE 316.
 AN833-8S - ELBOW, 1/2 TUBING, CORROSION RESISTANT STEEL, TYPE 347.
 AN833-8T - ELBOW, 1/2 TUBING, TITANIUM.
 AN833-8W - ELBOW, 1/2 TUBING, 7075-T73.

INSTALLATION TO BE IN ACCORDANCE WITH AND10064.

BREAK ALL SHARP EDGES AND REMOVE ALL HANGING BURRS AND SLIVERS WHICH MIGHT BECOME DISLODGED UNDER USAGE.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: FRACTIONS $\pm 1/64$, DECIMALS $\pm .005$.

ANGLES $\pm 1/2^\circ$

TITANIUM NOT TO BE USED IN OXYGEN SYSTEMS.

8 ENTIRE STANDARD REVISED

P. A.
AIR FORCE - 82
 Other Code

INTERNATIONAL
 INTEREST

AIR FORCE-NAVY AERONAUTICAL STANDARD

ARMY - AV
 NAVY - AS
AIR FORCE - 99

PROCUREMENT SPECIFICATION
MIL-F-6509

SUPERSEDES:

**ELBOW-FLARED TUBE AND
 BULKHEAD UNIVERSAL, 90°**

AN833

SHEET 1 OF 2

USER ACTIVITIES

REVIEWER ACTIVITIES DLA-CS

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 repetitive use shall be made from this document.

APPROVED 9 MAY 42 REVISED 7 16 APRIL 82 8 4 Aug 82

FED. SUP CLASS
 4730

USER ACTIVITIES:

REVIEWER ACTIVITIES: DLA-C3

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 repetitive use shall be made from this document.

DASH NO.	TUBING OD	THREAD T (REF)	H RAD	M +3/64 -0	Q +3/64 -0
AN833-2	1/8	5/16-24UNJF-3A	1/32	1-13/32	53/64
AN833-3	3/16	3/8-24UNJF-3A		1- 7/16	57/64
AN833-4	1/4	7/16-20UNJF-3A	1/16	1-37/64	61/64
AN833-5	5/16	1/2-20UNJF-3A		1-39/64	1- 1/64
AN833-6	3/8	9/16-18UNJF-3A	3/32	1-51/64	1- 5/64
AN833-8	1/2	3/4-16UNJF-3A		2- 3/32	1-11/32
AN833-10	5/8	7/8-14UNJF-3A		2- 3/8	1-35/64
AN833-12	3/4	1-1/16-12UNJ-3A		2-21/32	1-49/64
AN833-16	1	1-5/16-12UNJ-3A		2-25/32	1-59/64
AN833-20	1-1/4	1-5/8-12UNJ-3A		3- 7/64	2- 5/32
AN833-24	1-1/2	1-7/8-12UNJ-3A		3-13/32	2-21/64
AN833-28	1-3/4	2-1/4-12UNJ-3A		3-25/32	2-19/32
AN833-32	2	2-1/2-12UNJ-3A		4- 3/32	2- 7/8

DASH NO.	R RAD	U RAD	V	W APPROX	X APPROX	Y +3/64 -0	Z +3/64 -0
AN833-2	5/32	1/16	5/16	5/16	3/16	55/64	1- 7/16
AN833-3	3/16		3/8		1/4	59/64	1-15/32
AN833-4	7/32		7/16	3/8		63/64	1-39/64
AN833-5	1/4	3/32	1/2	1/2	5/16	1- 3/64	1-41/64
AN833-6	9/32		9/16			1- 7/64	1-53/64
AN833-8	3/8		3/4	3/8	7/16	1- 3/8	2 1/8
AN833-10	7/16	1/8	7/8	3/4		1-41/64	2-15/32
AN833-12	17/32		1-1/16	7/8	1/2	1-55/64	2- 3/4
AN833-16	21/32		1-5/16	1- 1/16	5/8	2- 1/64	2- 7/8
AN833-20	13/16	3/16	1-5/8	1- 1/4	3/4	2- 9/32	3-15/64
AN833-24	15/16		1-7/8	1- 7/16	7/8	2-31/64	3-39/64
AN833-28	1- 1/8		2-1/4	1- 3/4	1-1/16	2-25/32	4- 1/16
AN833-32	1- 1/4		2-9/16	1-15/16	1-3/16	2-15/16	4-29/64

ENTIRE STANDARD REVISED

P. A.
 AIR FORCE -82
 Other Cost
 ARMY - AV
 NAVY - AS

INTERNATIONAL INTEREST

AIR FORCE-NAVY AERONAUTICAL STANDARD

ELBOW - FLARED TUBE AND
 BULKHEAD UNIVERSAL 90°

AN833

AIR FORCE -99

PROCUREMENT SPECIFICATION
 MIL-F-8509

SUPERSEDES:

SHEET 2 OF 2

DD FORM 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

REVISED 8 FOR CHANGES SEE PAGES 1 & 2.

APPROVED 9 MAY 42