

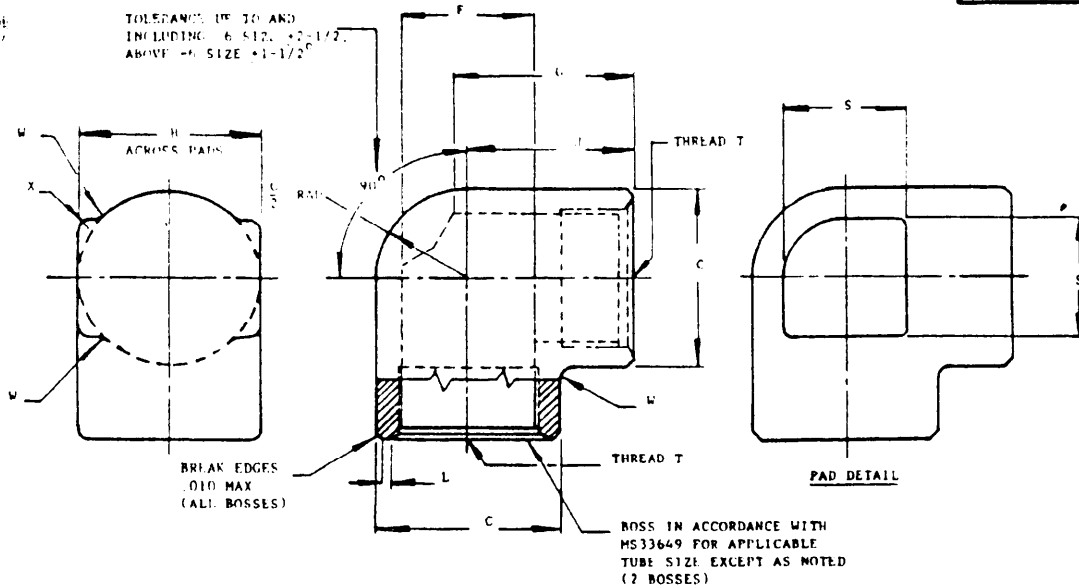
USER ACTIVITIES ARMY - MI

REVIEWER ACTIVITIES ARMY - ME, AV,

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

FED. SUP CLASS
 4730



SQUARENESS BETWEEN THREAD T AND FACE OF BOSS SHALL CONFORM TO MS33649 AS SPECIFIED.
 MATERIAL STEEL, ALUMINUM ALLOY, SHAPES OR FORGINGS.
 CORROSION RESISTANT STEEL (CRES), TITANIUM ALLOY, BARS, SHAPES, OR FORGINGS.
 SEE PROCUREMENT SPECIFICATION.

FINISH: SEE PROCUREMENT SPECIFICATION

NO CODE LETTER IN PART NUMBER FOR STEEL

ADD D IN PLACE OF DASH FOR ALUMINUM ALLOY (EXCEPT 7075-T73).

ADD J IN PLACE OF DASH FOR CRES, TYPE 304.

ADD K IN PLACE OF DASH FOR CRES, TYPE 316.

ADD S IN PLACE OF DASH FOR CRES, TYPE 347. PARTS ARE NOT TO BE MANUFACTURED FROM TYPE 304L STEEL AFTER 10 FEBRUARY 1967

ADD T IN PLACE OF DASH FOR TITANIUM ALLOY. TITANIUM IS NOT RECOMMENDED FOR USE IN OXYGEN SYSTEMS.

ADD W IN PLACE OF DASH FOR 7075-T73 ALUMINUM ALLOY.

ITEMS CODED C ON PREVIOUS ISSUES OF THIS STANDARD ARE NO LONGER TO BE FURNISHED. PROCURING ACTIVITIES MUST SPECIFY APPLICABLE

CRES MATERIAL CODE AS PART OF THE STANDARD PART NUMBER.

EXAMPLES OF PART NUMBERS:

AN939-R - FLRW, 1/2 TUBING, STEEL.

AN939DR - FLRW, 1/2 TUBING, ALUMINUM ALLOY (EXCEPT 7075-T73).

AN939JR - FLRW, 1/2 TUBING, CRES, TYPE 304.

AN939KR - FLRW, 1/2 TUBING, CRES, TYPE 316.

AN939SR - FLRW, 1/2 TUBING, CRES, TYPE 347.

AN939TR - FLRW, 1/2 TUBING, TITANIUM ALLOY.

AN939WR - FLRW, 1/2 TUBING, 7075-T73 ALUMINUM ALLOY.

BREAK ALL SHARP EDGES AND REMOVE ALL HANGING BURRS AND SLIVERS.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCE: FRACTIONS +1/64.

ALUMINUM ALLOY FITTINGS, SIZES -10 THROUGH -20, SHALL NOT BE USED AT WORKING PRESSURES ABOVE 1500 PSI

FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.

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

⑦ ENTIRE STANDARD REVISED

P. A. Air Force - 82 Other Cost Air Force - 99	INTERNATIONAL INTEREST	TITLE FLRW, TUBE, INTERNAL THREAD, 90°	MILITARY STANDARD AN939
PROCUREMENT SPECIFICATION MIL-P-5509	SUPERSEDES: AN927	SHEET 1 OF 2	

DD FORM 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PROJECT 4730-0208

22 Mar 84

REVISED ⑦

APPROVED 27 JAN 50

REVIEWER: ACTIVITIES: Army - ME, AV,
DLA - CS

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DASH NO.	TUBING OD	TUBING I (REF)	C DIA	F 100 ± .013 DIA	G ± .005	H	I ± .005	J ± .005	K ± .005	L ± .005	M ± .005	N ± .005	WEIGHT MAX (LBS)			P	Q	R
													TEE	ALLOY	ORBS			
4	1/2	5/16-20UNF-3B	11/16	3/4	13/16	3/4	13/16	13/16	13/16	13/16	13/16	13/16	13/16	13/16	13/16	13/16	13/16	13/16
5	3/8	3/8-20UNF-3B	3/4	5/8	7/8	3/4	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	
6	3/8	9/16-18UNF-3B	13/16	5/8	7/8	3/4	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	
8	1/2	3/4-16UNF-3B	1-1/16	6/8	1-1/16	3/4	1-1/16	1-1/16	1-1/16	1-1/16	1-1/16	1-1/16	1-1/16	1-1/16	1-1/16	1-1/16	1-1/16	
10	5/8	7/8-14UNF-3B	1-3/16	8/8	1-7/16	3/4	1-7/16	1-7/16	1-7/16	1-7/16	1-7/16	1-7/16	1-7/16	1-7/16	1-7/16	1-7/16	1-7/16	
12	3/4	1-1/16-12UNF-3B	1-7/16	9/8	1-31/64	3/4	1-31/64	1-31/64	1-31/64	1-31/64	1-31/64	1-31/64	1-31/64	1-31/64	1-31/64	1-31/64	1-31/64	
16	1	1-5/16-12UNF-3B	1-11/16	1-1/8	1-21/32	3/4	1-21/32	1-21/32	1-21/32	1-21/32	1-21/32	1-21/32	1-21/32	1-21/32	1-21/32	1-21/32	1-21/32	
20	1-1/4	1-5/8-12UNF-3B	2	1-5/8	1-55/64	3/4	1-55/64	1-55/64	1-55/64	1-55/64	1-55/64	1-55/64	1-55/64	1-55/64	1-55/64	1-55/64	1-55/64	

P. A.
Air Force - 82
Other Cost
Air Force - 99

INTERNATIONAL
INTEREST

TITLE
ELBOW, TUBING, INTERNAL THREAD, 90°

PROCUREMENT SPECIFICATION
MIL-F-5509

SUPERSEDES:
AN937

MILITARY STANDARD
AN939

SHEET 2 OF 2

APPROVED 27 JAN 50

REVISED 7 For changes see pages 1 and 2