



DIMENSIONS P, H, AND N SHALL BE CONCENTRIC WITHIN .005 TOTAL INDICATOR READING (TIR).
FITTING SHALL NOT HAVE A TIR VARIATION OF MORE THAN .006 INCHES WHEN APPLIED BETWEEN AXIS OF BOLT HOLES AND EACH FACE INDEPENDENTLY.

MATERIAL: STEEL; ALUMINUM ALLOY; 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 AFTER DASH NUMBER FOR ALUMINUM ALLOY (EXCEPT 7075-T73).
ADD J AFTER DASH NUMBER FOR CRES, TYPE 304.
ADD K AFTER DASH NUMBER FOR CRES, TYPE 316.
ADD S AFTER DASH NUMBER FOR CRES, TYPE 347.
ADD W AFTER DASH NUMBER FOR 7075-T73 ALUMINUM ALLOY.

TITANIUM IS NOT RECOMMENDED FOR USE IN OXYGEN SYSTEMS.

EXAMPLE OF PART NUMBERS:
AN776-8 - CONNECTOR, .500 TUBING, STEEL.
AN776-8D - CONNECTOR, .500 TUBING ALUMINUM ALLOY (EXCEPT 7075-T73).
AN776-8J - CONNECTOR, .500 TUBING, CRES, TYPE 304.
AN776-8K - CONNECTOR, .500 TUBING, CRES, TYPE 316.
AN776-8S - CONNECTOR, .500 TUBING, CRES, TYPE 347.
AN776-8T - CONNECTOR, .500 TUBING, TITANIUM ALLOY.
AN776-8W - CONNECTOR, .500 TUBING, 7075-T73 ALUMINUM ALLOY.

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

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCE: FRACTIONS ± .015

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.

9 ENTIRE STANDARD REVISED

USER ACTIVITIES DLA - CS

REVIEWER ACTIVITIES ARMY -HI

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.
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 3 FEB 41 REVISED 9 10 FEB 88

P. A. AIR FORCE-02 <small>Other Code</small> AIR FORCE-90 ARMY-AV NAVY-AS	INTERNATIONAL INTEREST	AIR FORCE-NAVY AERONAUTICAL STANDARD		AN776
		CONNECTOR, MULTIPLE FLUID PRESSURE LINE, 90°		
PROCUREMENT SPECIFICATION MIL-F-5509	SUPERSEDES:	SHEET 1 OF 2		

USER ACTIVITIES DLA - DS

REVIEWER ACTIVITIES ARMY - MI

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new requirements and design applications and for repetitive use shall be made from this document.

FED. SUP CLASS
4730

DASH NO.	TUBING OD	THREAD T (REF)	K DIA	P +.002 -.000 DIA	M ±.010
4	.250	.4375-20UNJF-3A	.562	.438	.750
5	.312	.5000-20UNJF-3A	.625	.500	
6	.375	.5625-18UNJF-3A	.750	.563	.875
8	.500	.7500-16UNJF-3A	.937	.750	1.125
10	.625	.8750-14UNJF-3A	1.125	.875	1.375
12	.750	1.0625-12 UNJ-3A	1.375	1.062	1.625
16	1.000	1.3125-12 UNJ-3A	1.687	1.312	2.125

DASH NO.	K	M +.010 -.000 DIA	M +.010 -.000 DIA	O	P APPROX	O +.046 -0
4	.375	.469	.687	.812	.437	1.125
5	.500	.531	.750	1.000	.500	1.250
6		.594	.812			1.437
8	.750	.781	1.000	1.187	.625	1.656
10	.812	.906	1.125	1.375		2.000
12	1.000	1.094	1.313	1.687	.812	2.375
16	1.500	1.344	1.563	2.062		

APPROVED 3 FEB 41 REVISED 9 FOR CHANGES SEE PAGES 1 & 2.

9 RETIRE STANDARD REVISED P. A. AIR FORCE-82 <small>Other Cost</small> AIR FORCE-99 ARMY-AV NAVY-AS		INTERNATIONAL INTEREST	AIR FORCE-NAVY AERONAUTICAL STANDARD CONNECTOR, MULTIPLE FLUID PRESSURE LINE, 90°	AN 776
PROCUREMENT SPECIFICATION MIL-F-6609	SUPERSEDES:	SHEET 2 OF 2		

DD FORM 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE