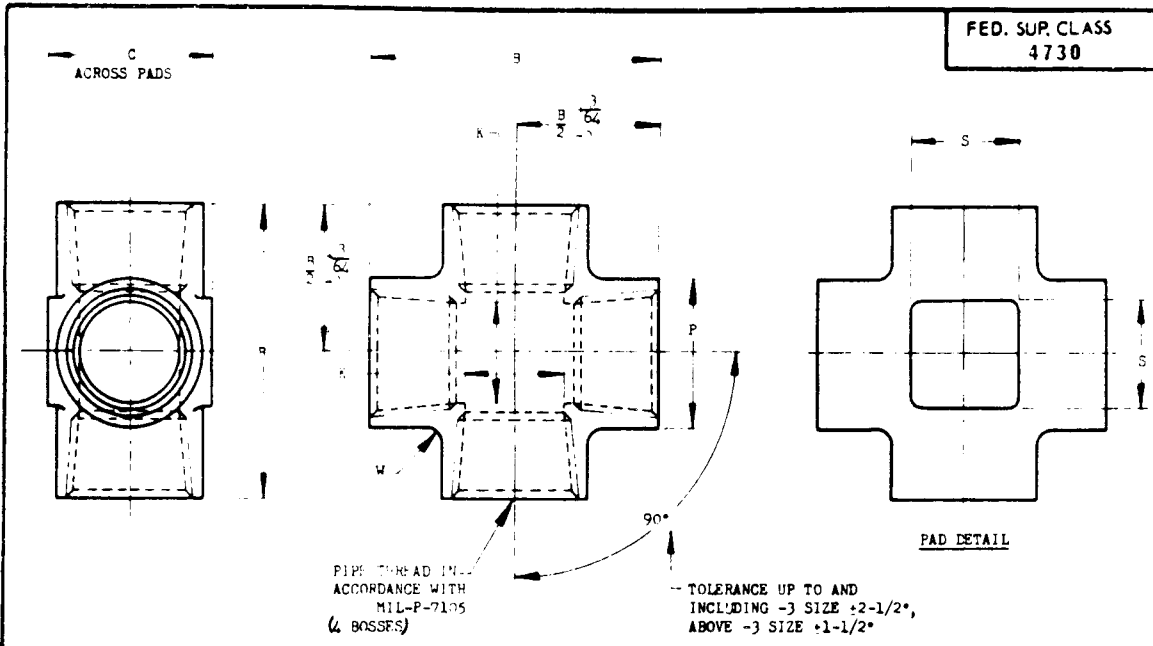


User activities: Army - ME, AV
Navy - AS
Air Force - 99
DIA-CS

Review activities: Army - ME, AV
Navy - AS
Air Force - 99
DIA-CS

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MATERIAL: COPPER ALLOY; 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 COPPER ALLOY.

- ⑧ ADD D AFTER DASH NUMBER FOR ALUMINUM ALLOY (EXCEPT 7075-T73).
- ADD C AFTER DASH NUMBER FOR CRES, TYPE 302, 303, 304, 316, AND 321.
- 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 304L AND 347. PARTS ARE NOT TO BE MANUFACTURED FROM TYPE 304L STEEL AFTER 10 FEBRUARY 1967.
- ADD T AFTER DASH NUMBER FOR TITANIUM ALLOY.
- ⑧ ADD W AFTER DASH NUMBER FOR 7075-T73 ALUMINUM ALLOY.
- TITANIUM IS NOT RECOMMENDED FOR USE IN OXYGEN SYSTEMS.
- ⑧ 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.

EXAMPLE OF PART NUMBERS:

- AN918-A - CROSS, 1/2 PIPE, COPPER ALLOY.
- ⑧ AN918-4D - CROSS, 1/2 PIPE, ALUMINUM ALLOY (EXCEPT 7075-T73).
- ~~AN918-4C - CROSS, 1/2 PIPE, CRES, TYPE 302, 303, 304, 316, OR 321.~~
- AN918-4J - CROSS, 1/2 PIPE, CRES, TYPE 304.
- AN918-4K - CROSS, 1/2 PIPE, CRES, TYPE 316.
- AN918-4S - CROSS, 1/2 PIPE, CRES, TYPE 347.
- AN918-4T - CROSS, 1/2 PIPE, TITANIUM ALLOY.
- ⑧ AN918-4W - CROSS, 1/2 PIPE, 7075-T73 ALUMINUM ALLOY.

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

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

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.

INACTIVE FOR DESIGN AFTER 1 JUNE 1954, EXCEPT FOR USE ON OXYGEN SYSTEMS AND GROUND SERVICE EQUIPMENT. SEE MIL-STD-962 FOR STATUS CRITERIA.

⑧ denotes changes

P A Air Force-99 Other Cust	International interest	AIR FORCE-NAVY AERONAUTICAL STANDARD	AN918
		CROSS, PIPE	
Procurement Specification MIL-P-5509		SUPERSEDES USAF DRAWING 835 (DASH NOS. 40 TO 46 INCLUSIVE)	PAGE 1 OF 2

APPROVED 6 JAN 41 REVISED 16 JUN 78 21 MAR 79

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DLA-CS

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DASH NO.	PIPE THD ANPT	B +3/32 -0	C	K DIA		P DIA	S APPROX	W RAD	WEIGHT MAX (LBS.)			
									COPPER ALLOY	AL ALLOY	CRES	TI ALLOY
1	1/8	1-9/32	5/8	.327	+0.000 -0.016	37/64	1/2	1/16				
2	1/4	1-25/32	13/16	.423	+0.000 -0.019	25/32	5/8	3/32				
3	3/8	1-15/16	15/16	.557	+0.000 -0.028	59/64	3/4					
4	1/2	2-15/32	1-3/16	.688	+0.000 -0.034	1-5/32	7/8	1/8				
6	3/4	2-11/16	1-3/8	.897	+0.000 -0.040	1-23/64	1					
8	1	3-1/4	1-3/4	1.128	+0.000 -0.037	1-11/16	1-1/8					
10	1-1/4	3-3/8	2-5/32	1.471	+0.000 -0.036	2-3/32	1-1/4	5/32				

REVISED (B) For changes see page 1. 21 MAR 79

APPROVED 6 JAN 41

P.A. Air Force-99 Other Cust	International Interest	AIR FORCE - NAVY AERONAUTICAL STANDARD	AN918
		CROSS, PIPE	
Procurement Specification MIL-F-5509	SUPERSEDES: USAF DRAWING 895 (DASH NOS. 40 TO 46 INCLUSIVE)		PAGE 2 OF 2