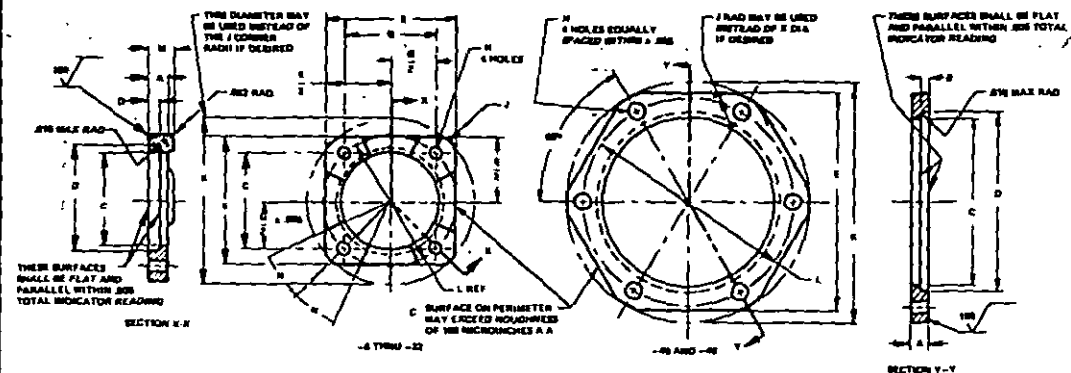


FED. SUP CLASS
4730

USER ACTIVITIES:
Army - MS, AV
Navy - AS
Air Force - 99

REVIEWER ACTIVITIES:
Army - MS, AV
Navy - AS
Air Force - 99
ILA - CS

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DASH NO. (C)				TUBING OD AND HOSE ID	A		B		(a) C	(a) D	(b) E
STEEL	AL ALLOY	CRES	TI ALLOY		+0.015 -0.005		+0.005 -0.000		+0.010 -0.000 DIA	+0.005 -0.000 DIA	
-8	-D8	-J8	-T8	.500	.274	.136			.750	.885	1.390
-10	-D10	-J10	-T10	.625					.880	1.010	1.468
-12	-D12	-J12	-T12	.750					1.125	1.260	1.594
-16	-D16	-J16	-T16	1.000					1.375	1.510	1.750
-20	-D20	-J20	-T20	1.250					1.688	1.854	2.188
-24	-D24	-J24	-T24	1.500	.297	.168			1.938	2.135	2.375
-32	-D32	-J32	-T32	2.000					2.562	2.760	3.000
-40	-D40	-J40	-T40	2.500					3.062	3.291	4.000
-48	-D48	-J48	-T48	3.000					3.562	3.791	4.500

DASH NO. (C)				G ±.005	H +0.010 -0.000 DIA	(b) J		(b) K	L	M	N
STEEL	AL ALLOY	CRES	TI ALLOY			±.016 RAD		±.015 DIA	±.005 DIA	±.016	
-8	-D8	-J8	-T8	.950	.205	.219		1.742	1.344	.297	20°
-10	-D10	-J10	-T10	1.038				1.906	1.468		
-12	-D12	-J12	-T12	1.156				2.094	1.635		
-16	-D16	-J16	-T16	1.312				2.312	1.855		18°
-20	-D20	-J20	-T20	1.656				2.875	2.342		16°
-24	-D24	-J24	-T24	1.812	.328			2.81	2.562	.359	
-32	-D32	-J32	-T32	2.375				3.12	3.953		12°
-40	-D40	-J40	-T40					3.75	4.500		
-48	-D48	-J48	-T48					.625	5.000		

© denotes changes

P.A. AIR FORCE-99	INTERNATIONAL INTEREST	TITLE PLANGE, SWIVEL, RETAINING	MILITARY STANDARD
Other Cust NAVY - AS			MS20756
Procurement Specifications MIL-F-5509	SUPERSEDES: AN756		SHEET 1 OF 3

DD FORM 672 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATE

APPROVED 9 AUG 57 REVISED 1 APR 59 18 JUL 75 10 JUN 1978

ARMY - MS, AV
NAVY - AS
AIR FORCE - 99

USER ACTIVITIES:

ARMY - MS, AV
NAVY - AS
AIR FORCE - 99
NIA - CS

REVIEWER ACTIVITIES:

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FED. SUP CLASS
4730

WEIGHT MAX (LBS)

DASH NO.	AL ALLOY	STEEL	TI ALLOY
8			
10			
12			
16	.03	.08	
20	.05	.14	
24	.06	.17	
32	.09	.25	
40	.16	.45	
48	.19	.53	

(a) DIAMETERS C AND D SHALL BE CONCENTRIC WITHIN .010 TOTAL INDICATOR READING.
(b) REDUCTION BY FORGING DRAFT ANGLE OF 7° MAXIMUM IS PERMISSIBLE IF FORGED.
FOR TUBE SIZES THRU 1 INCH: MAXIMUM OPERATING TEMPERATURE 275°F; MAXIMUM PRESSURE 1500 PSI.

FOR TUBE SIZES EXCEEDING 1 INCH: MAXIMUM OPERATING TEMPERATURE 275°F; MAXIMUM PRESSURE 500 PSI.

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

MATERIAL: ALUMINUM ALLOY (2014 OR 2024); STEEL; CRES (304); TITANIUM ALLOY (SEE PROCUREMENT DOCUMENT).

TITANIUM IS NOT RECOMMENDED FOR USE IN OXYGEN SYSTEMS.

UNLESS OTHERWISE SPECIFIED, SURFACE ROUGHNESS SHALL NOT EXCEED 100 MICROINCHES AA. (SEE ANSI B46.1).

FINISH: SEE PROCUREMENT DOCUMENT.

FITTINGS SHALL BE PERMANENTLY MARKED WITH MS PART NUMBERS ON AN UNFINISHED SURFACE.

FOR NOMINAL USE ON FUEL AND OIL SYSTEMS.

DIMENSIONS IN INCHES: UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS +.005, ANGLES ±1/2°.

THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.

REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID OR REQUEST FOR QUOTE.

© denotes changes

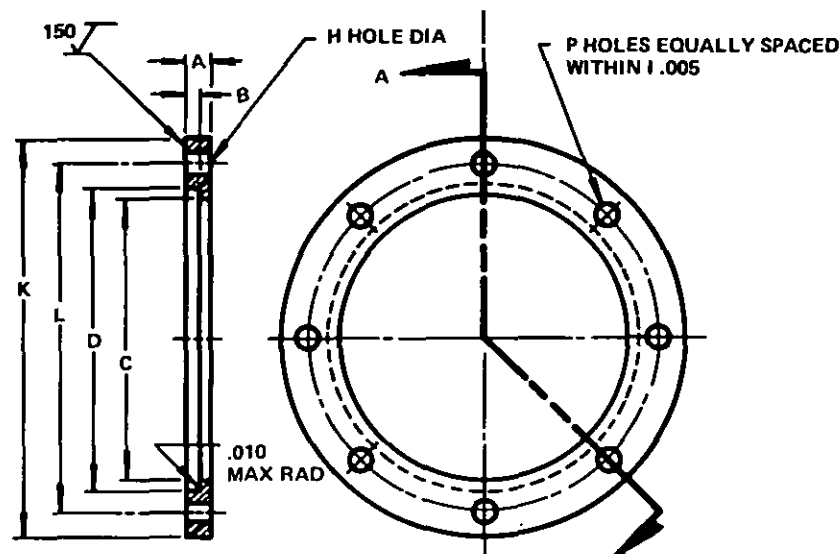
APPROVED 9 AUG 57 REVISED 1 APR 59 18 JUL 75 16 JUN 1978

P.A. © AIR FORCE-99	INTERNATIONAL INTEREST	TITLE FLANGE, SWIVEL, RETAINING	MILITARY STANDARD
Other Cust NAVY - AS			MS 20756
Procurement Specifications MIL-P-5509	SUPERSEDES:	AN756	SHEET 2 OF 3

©
 USER ACTIVITIES:
 Army - MS,AV
 Navy - AS
 Air Force - 99
 DLA-CS

©
 REVIEWER ACTIVITIES:
 Army - MS,AV
 Navy - AS
 Air Force - 99
 DLA-CS

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SECTION A-A

-56 THRU -112

DASH NO. (C)				NOMINAL TUBE AND HOSE SIZE	A +.015 -.005	B +.005 -.000	(a) C +.031 -.000 DIA	(a) D DIA	
STEEL	AL ALLOY	CRES	TI ALLOY						
-56	-D56	-J56	-T56	3.500	.312	.168	3.968	4.234	+.010 -.000
-64	-D64	-J64	-T64	4.000			4.531	4.797	+.010 -.000
-80	-D80	-J80	-T80	5.000	.375	.188	5.531	5.797	+.010 -.000
-96	-D96	-J96	-T96	6.000			6.531	6.797	+.020 -.000
-112	-D112	-J112	-T112	7.000	.437	.200	7.594	7.860	+.020 -.000

DASH NO. (C)				H +.000 -.000 DIA	(b) V +.015 -.000 DIA	L +.005 -.000 DIA	P NO. HOLES
STEEL	AL ALLOY	CRES	TI ALLOY				
-56	-D56	-J56	-T56	.328	5.562	4.875	R
-64	-D64	-J64	-T64		6.125	5.438	
-80	-D80	-J80	-T80		7.125	6.438	10
-96	-D96	-J96	-T96		8.125	7.438	12
-112	-D112	-J112	-T112		9.188	8.500	14

P.A. AIR FORCE - 99	INTERNATIONAL INTEREST	TITLE Flange, Swivel, Retaining	MILITARY STANDARD
Other Code: NAVY - AS			MS 20756
Procurement Specifications MIL-P-5509	SUPERSEDES:	AN756	SHEET 3 OF 3