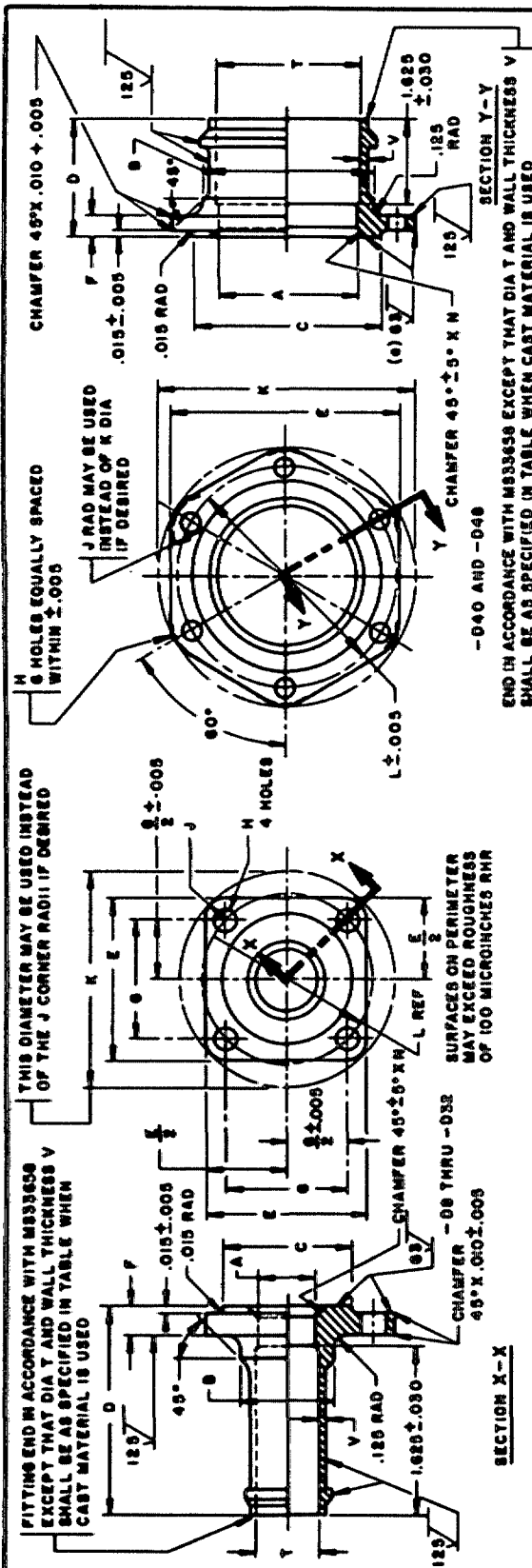


FED. SUP CLASS
4730

User activities:

Review activities:
DBA - CS

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END IN ACCORDANCE WITH MS33659 EXCEPT THAT DIA T AND WALL THICKNESS V SHALL BE AS SPECIFIED IN TABLE WHEN CAST MATERIAL IS USED

DASH NO.	HOSE ID	A ±.003 DIA	B +.000 -.015 DIA	C ±.010 DIA	D	E	F ±.005	G ±.005	H ±.000 DIA	J ±.010 RAD	K ±.010 DIA	L DIA	M DIA	T MIN DIA	V MIN	WEIGHT MAX
-D3	.500	.975	1.830	1.468				.950			1.782	1.344				
-D10	.625	1.000	1.468	1.010				1.020			1.808	1.468				.03
-D12	.750	1.125	1.694	1.250				1.150	.325	.310	2.034	1.635	.650		.065	.09
-D12-16	.750	1.125	1.694	1.250				1.312			2.312	1.855				.10
-D16	1.000	1.444	2.062	1.644				1.656	.366	.325	2.676	2.349	1.180	1.059	.060	.16
-D20	1.250	1.694	2.376	1.944				1.812		.381	3.004	2.659	1.372	1.309	.080	.21
-D24	1.500	1.944	2.690	2.188				2.076		.312	3.312	2.950	1.641	1.703	.100	.34
-D32	2.000	2.690	3.404	2.932				2.776	.328	.376	4.000	3.612	2.341	2.243	.140	.49
-D40	2.500	3.404	4.118	3.580				3.496		.635	5.000	4.312	2.641	2.793	.160	.66

(1) ANNUAL TOOL MARKS UP TO 65 BHR MAX WILL BE ALLOWED. REDUCTION BY FORTING DRAFT ANGLES OF 75 MAXIMUM IS PERMISSIBLE. FINISHED CASTINGS SHALL NOT LEAK WHEN SUBJECTED TO 100-PSI INTERNAL AIR PRESSURE AND SUBMERGED IN WATER FOR 8 MINUTES MINIMUM. FOR HOSE TEST: FINISHED CASTINGS SHALL NOT LEAK WHEN SUBJECTED TO 375°F. MAXIMUM OPERATING TEMPERATURE 375°F. MAXIMUM PRESSURE 1000 PSI. FOR HOSE SIZES EXCEEDING 1 INCH: MAXIMUM OPERATING TEMPERATURE 375°F. MAXIMUM PRESSURE 500 PSI.

MATERIAL: ALUMINUM-ALLOY BAR STOCK, QQ-A-257, CLAS V OR I. OPTIONAL MATERIAL: PERMANENT MOLD ALUMINUM-ALLOY CASTING, QQ-A-590. ALUMINUM-ALLOY BAR STOCK, QQ-A-257, CONDITION T1.

UNLESS OTHERWISE SPECIFIED, SURFACE ROUGHNESS SHALL NOT EXCEED 100 MICROINCHES RMR. SEE STANDARD ASA D46.1.

FINISH: ALUMINUM-ALLOY, ANODIZE, MIL-A-8625, TYPE 2, DYE LIGHT BLUE.

FOR NOMINAL USE ON FUEL AND OIL SYSTEMS.

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

DIMENSIONS IN INCHES: UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ± .005, ANGLES ± .17°.

THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.

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

P.A. AIR FORCE - 82
Other Case
NAVY - AS
PROCUREMENT SPECIFICATION
MIL-F-5509

TITLE
CONNECTOR, FIXED FLANGE, TO HOSE
SUPERSEDES:
AN757

MILITARY STANDARD
MS 20757
SHEET 1 OF 1

APPROVED 9 AUG 57 REVISED (A) 1 APR 59 (B) 24 JUL 75