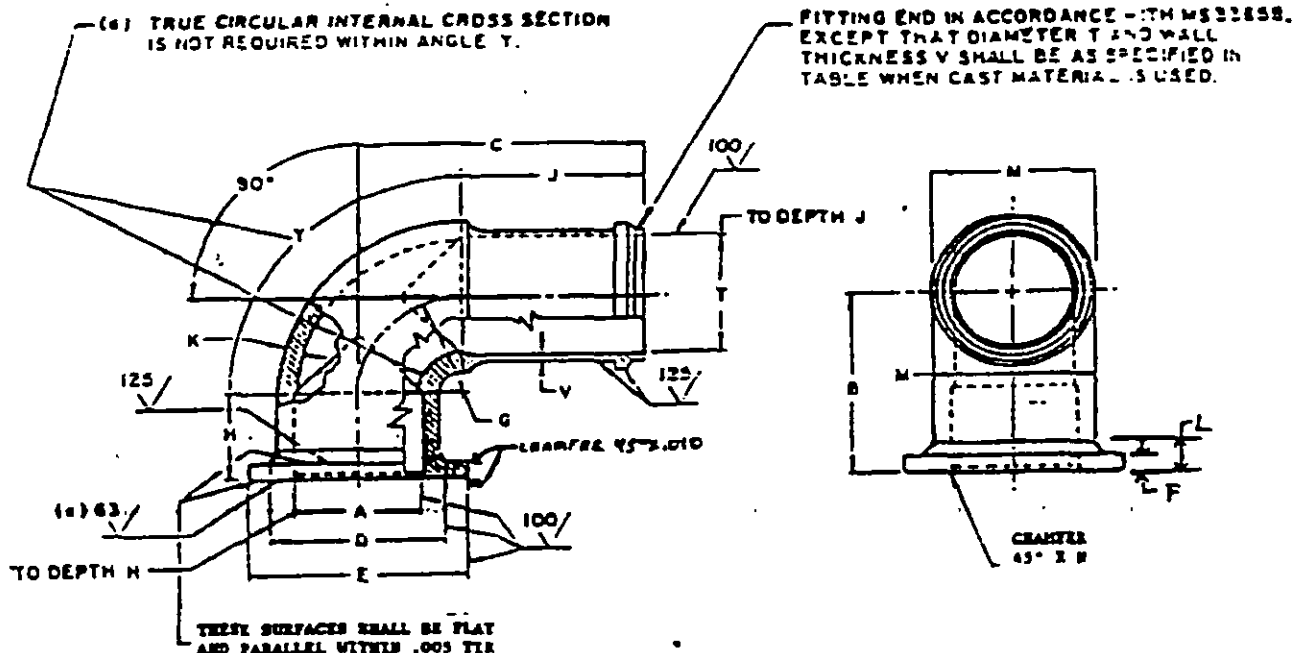


Form Approved
OMB No. 0704-0188

- (a) INTERNAL FLOW PASSAGE AROUND BEND SHALL BE SMOOTH AND FREE FROM PROJECTIONS.
 (b) DIAMETER A, D, AND E SHALL BE CONCENTRIC WITH EACH OTHER WITHIN .010 TIR.
 (c) ANGULAR TOOL MARKS UP TO 63 RA WILL BE ALLOWED.

REQUIREMENTS:

DIMENSIONS IN INCHES.
 UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS $\pm .005$, ANGLES $\pm 5^\circ$.
 BREAK ALL SHARP EDGES AND REMOVE ALL BANGING BURRS AND SLIVERS.
 UNLESS OTHERWISE SPECIFIED, SURFACE ROUGHNESS SHALL NOT EXCEED 100 RA (SEE AMS1/ASME B46.1)

MATERIAL: ALUMINUM ALLOY FORGING, SPECIFICATION QQ-A-367, 2014-T6.
 OPTIONAL MATERIAL: PERMANENT MOLD ALUMINUM ALLOY CASTING, SPECIFICATION QQ-A-596.

FINISH: ANODIZED PER MIL-A-8625, DYE LIGHT BLUE.
 FITTINGS SHALL BE PERMANENTLY MARKED WITH MS PART NUMBER ON AN UNFINISHED SURFACE.
 POROSITY TEST: FINISHED CASTINGS SHALL NOT LEAK WHEN SUBJECTED TO 100 PSI AIR PRESSURE AND SUBMERGED IN WATER FOR 3 MINUTES MINIMUM.

NOTES:

THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
 FOR NOMINAL USE ON FUEL AND OIL SYSTEMS.
 MAX OPERATING TEMPERATURE 275°F. FOR ROSE SIZES THRU 1 INCH: MAX PRESSURE 1800 PSI. FOR TUBE SIZES EXCEEDING 1 INCH: MAX PRESSURE 500 PSI.
 REDUCTION BY FORGING DRAFT ANGLE OF 7° MAX IS PERMISSIBLE.
 REVISION LETTERS ARE NOT USED TO DENOTE CHANGES DUE TO THE EXTENSIVENESS OF THE CHANGES.

INCH-POUND

PREPARING AGENCY: AIR FORCE - 82 CUSTODIANS: ARMY - NAVY - AIR FORCE - 99 REVIEW: DLA - CS USER: PROJECT NUMBER: 4730-1134	MILITARY SPECIFICATION SHEET TITLE: ELBOW, HOSE, FLANGED SWIVEL, 90°	SPECIFICATION SHEET NUMBER: MS20759, REV B 14 Apr 94 SUPERSEDING MS20759, REV A 2 SEP 82 AMSC. N/A FSC 4730 Page 1 OF 2
DISTRIBUTION STATEMENT A. APPROVED FOR PUBLIC RELEASE: DISTRIBUTION IS UNLIMITED.		

Form Approved
OMB No. 0704-018

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE BOOKS SPECIFIED IN THE SOLICITATION: NONE.

DASH NO.	HOSE ID	A +.003 DIA	B +.047 -.000	C +.047 -.000	D +.00- .010	E +.000 -.005	F +.000 -.005	G RAD	H +.047 -.000
-D12	.750	.609	1.312	2.125	.965	1.250	.156	.594	.719
-D12-16						1.500			
-D16	1.000	.844	1.438	2.250	1.215			.719	
-D20	1.250	1.078	1.688	2.438	1.465	1.844	.188	.875	.812
-D20-24						2.125			
-D24	1.500	1.312	1.812	2.842	1.745			1.000	
-D32	2.000	1.781	2.188	2.875	2.375	2.750		1.312	.875
-D40	2.500	2.281	2.438	3.125	2.875	3.281		1.562	
-D48	3.000	2.781	2.688	3.375	3.375	3.781		1.812	

THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE.

DASH NO.	J +.047 -.000	K MIN MAX		L +.030	M +.010 DIA	N DIA	T MIN DIA	V MIN LBS	WEIGHT MAX LBS
-D12	1.531	.125	.164	.280	.875	.649	.609	.085	.10
-D12-16									.12
-D16		.141	.176		1.125	.904	.859		.15
-D20	1.562	.156	.221	.375	1.375	1.138	1.059	.090	.26
-D20-24									.28
-D24		.172	.234		1.625	1.372	1.309		.25
-D32		.203	.322		2.359	1.841	1.793	.100	.73
-D40		.234	.333		2.859	2.341	2.293		1.04
-D48		.250	.344		3.359	2.841	2.793		1.40

INCH-POUND

PREPARING ACTIVITY: AIR FORCE - 82

CUSTOMARIAS: ARMY - NAVY -
AIR FORCE - 99

REVIEW: DIA - C3

USER:

PROJECT NUMBER: 4730-1134

MILITARY SPECIFICATION SHEET

TITLE

ELBOW, HOSE, FLANGED
SWIVEL, 90°

SPECIFICATION SHEET NUMBER

MS20759, REV B 14 Apr 9

SUPERSEDING
MS20759, REV A 2 SEP 82

AMSC: N/A

FSC: 4730

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