

User activities:

Review activities: DLA-CS

This military standard is approved by the Department of Defense and is mandatory on all activities. Submission for all new engineering and design applications and for repetitive use shall be made from this document.

		FED. SUP CLASS 4730
<p>(a) INTERNAL FLOW PASSAGE AROUND BEND SHALL BE SMOOTH AND FREE FROM PROJECTIONS. (b) DIAMETERS A, D, AND E SHALL BE CONCENTRIC WITH EACH OTHER WITHIN .010 FULL INDICATOR READING. (c) ANNULAR TOOL MARKS UP TO 63 RHR MAX WILL BE ALLOWED. REDUCTION BY FORCING DRAFT ANGLE OF 7° MAXIMUM IS PERMISSIBLE. POROSITY TEST: FINISHED CASTINGS SHALL NOT LEAK WHEN SUBJECTED TO 100-PSI AIR PRESSURE AND SUBMERGED IN WATER FOR 3 MINUTES MINIMUM. FOR HOSE SIZES THRU 1 INCH: MAXIMUM OPERATING TEMPERATURE 275°F, MAXIMUM PRESSURE 1500 PSI. FOR HOSE SIZES EXCEEDING 1 INCH: MAXIMUM OPERATING TEMPERATURE 275°F, MAXIMUM PRESSURE 500 PSI. MATERIAL: ALUMINUM-ALLOY FORGING, SPECIFICATION QQ-A-367, CLASS 5 OR 1. OPTIONAL MATERIAL: PERMANENT MOLD ALUMINUM-ALLOY CASTING, SPECIFICATION QQ-A-596.</p>		
<p>(A) UNLESS OTHERWISE SPECIFIED, SURFACE ROUGHNESS SHALL NOT EXCEED 100 MICROINCHES RHR WHERE SHOWN 100 SEE STANDARD DOD-STD-100.</p>		
<p>FINISH: ALUMINUM-ALLOY, ANODIZED, SPECIFICATION MIL-A-8625, DYE LIGHT BLUE. FITTINGS SHALL BE PERMANENTLY MARKED WITH MS PART NO. ON AN UNFINISHED SURFACE. FOR NOMINAL USE ON FUEL AND OIL SYSTEMS. BREAK ALL SHARP EDGES AND REMOVE ALL HANGING BURRS AND SLIVERS WHICH MIGHT BECOME DISLODGED UNDER USAGE. 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 INVITATION FOR BID.</p>		
<p>(A) DENOTES CHANGES</p>		
P.A. AIR FORCE - 82 (A) Other Cast NAVY - AS AIR FORCE - 99	TITLE ELBOW, HOSE, FLANGED, SWIVEL, 45°	MILITARY STANDARD MS20758
PROCUREMENT SPECIFICATION NONE	SUPERSEDES AN-788 (A)	SHEET 1 OF 2

10 Aug 82

REVISED (A)

APPROVED 9 AUG 87

FED. SUP CLASS
4730

(A)

DASH NO.	HOSE ID	(b) A +.003 DIA	B +.047 -.000	C +.047 -.000	(b) D +.000 -.015 DIA	(b) E +.000 -.005 DIA	F +.000 -.005	G RAD
-D12	.750	.609	.812	1.812	.938	1.250	.156	.594
-D12-16			.875			1.500		
-D16	1.000	.844		1.875	1.188	1.844		.719
-D20	1.250	1.078	1.000	2.000	1.500	2.125		.188
-D20-24			1.062			2.125	1.000	
-D24	1.500	1.312	1.094	2.125	1.750		1.000	
-D32	2.000	1.781	1.281	2.250	2.375	2.750	1.312	
-D40	2.500	2.281	1.469	2.375	2.875	3.281	1.562	
-D48	3.000	2.781	1.562	2.500	3.375	3.781	1.812	

DASH NO.	H +.047 -.000	J +.047 -.000	K		M +.015 DIA	N DIA	T MIN DIA	V MIN	WEIGHT MAX	
			MIN	MAX						
-D12	.562	1.562	.125	.164	.922	.669	.609	.065	.07	
-D12-16									.09	
-D16			.141	.176	1.172	.904	.859		.11	
-D20	.625	1.625	.156	.221	1.484	1.138	1.059	.090	.19	
-D20-24	.688								.22	
-D24			1.688	.172	.234	1.734	1.372	1.309		.27
-D32	.750		.203	.322	2.359	1.841	1.793	.100	.52	
-D40	.812	1.719	.234	.333	2.859	2.341	2.293			.74
-D48		1.750	.250	.344	3.359	2.841	2.793			.97

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APPROVED 9 AUG 57 REVISED (A) 10 Aug 82

P.A. AIR FORCE-82 (A)	TITLE	MILITARY STANDARD
Other Cust NAVY-AS AIR FORCE-99	ELBOW, HOSE, FLANGED, SWIVEL, 45°	MS20758
PROCUREMENT SPECIFICATION NONE	SUPERSEDES: -AN758 (A)	SHEET 2 OF 2