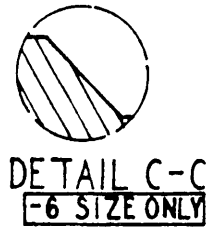
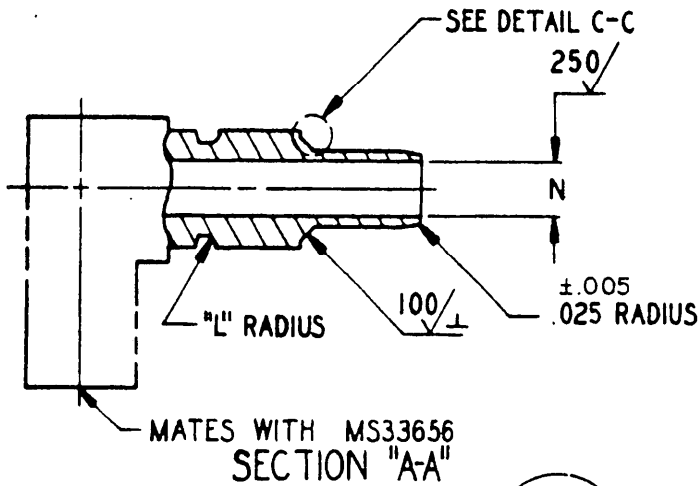
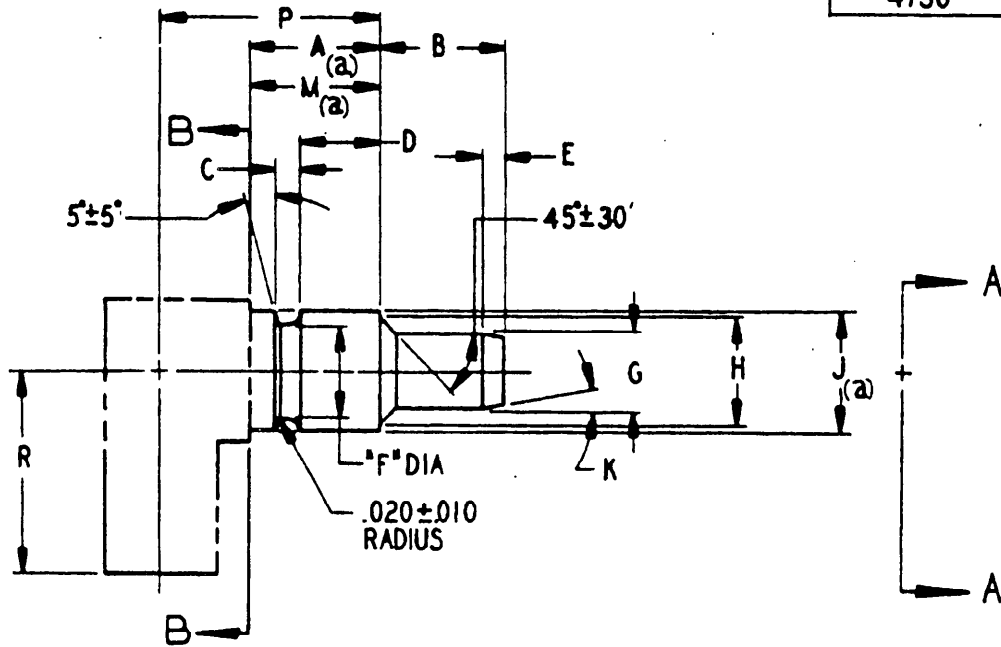


FED SUP CLASS
4730



This standard has been approved by the Department of the Air Force and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.

APPROVED 17 Mar 71

NOTE: THE GOVERNMENT HAS A ROYALTY FREE LICENSE UNDER THE FOLLOWING PATENTS FOR THE BENEFIT OF MANUFACTURERS OF THE ITEM EITHER FOR THE GOVERNMENT OR FOR USE IN EQUIPMENT TO BE DELIVERED TO THE GOVERNMENT. (U.S. PATENT NOS. 2, 833,567; 3,044,163; 3,055,682)

P.A. USAF-11 Other Cust	TITLE ELBOW, FLARED, TUBE TO HOSE -90° SWIVEL NUT	MILITARY STANDARD
		MS27627
Procurement Specification	SUPERSEDES	SHEET 1 OF 2

FED SUP CLASS
4730

MS PART NUMBER	A	B	C		D	E	F	G
	MIN	±.010		±.010	+ .005 - .000	±.005	+ .000 - .005	+ .000 - .005
MS27627-4C	.633	.550	.116	±.010	.413	—	.346	.250
MS27627-6C	.709	.620	.140	±.020	.442	—	.395	.343
MS27627-8C	.779	.737			.472	—	.564	.445
MS27627-10C	.660	1.050	.170		.405	.150	.679	.588

H	J	K	L	M	N	P		R	
±.005	±.003	±.30'	±.004	MIN	±.005				
.420	.443	—	.040	.578	.161	.970	±.020	.705	±.020
—	.497	—	.047	.654	.271	1.088		.836	
.610	.680	—		.692	.375	1.304		.980	
.762	.823	10°	.062	.606	.465	1.434	±.035	1.176	±.035

(d) ON -4, -6, AND -8 SIZE USE "A" DIM. WHEN THE ADJACENT DIA TO THE LEFT OF PLANE B-B IS GREATER THAN "J" DIM. WHEN THE ADJACENT DIA IS EQUAL TO OR LESS THAN "J" DIM. "M" DIM. MAY BE USED IN PLACE OF "A" DIM.

ON -10 SIZE THE BENT TUBE, BEFORE FORMING, SHALL NOT BE LESS THAN THE NIPPLE I.D. OVALITY OF ALL BENT TUBE FITTINGS SHALL NOT EXCEED 7.5 PERCENT OF NOMINAL TUBING O.D.

ANY FORGED DESIGN FITTING IS ACCEPTABLE FOR -4, -6, AND -8 SIZE ANY BENT TUBE DESIGN FITTING IS ACCEPTABLE FOR -10 SIZE.

NEXT ASSEMBLY MS27621

THIS IS A DESIGN STANDARD FOR MANUFACTURING PURPOSES. THE ITEM IS ONLY PROCURED AS AN INTEGRAL PART OF ADAPTER ASSY.

THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.

DIMENSIONS IN INCHES, UNLESS OTHERWISE SPECIFIED; RADIUS OR BREAK ALL CORNERS .005+/.005/-0.000, REMOVE ALL BURRS AND SLIVERS. SURFACE ROUGHNESS PER ANSI B46.1 - 1962 NOT TO EXCEED 125 AA. ALL DIAMETERS WITHIN LENGTH "A" & "B" MUST BE CONCENTRIC WITHIN .005 TIR.

FINISH: CORROSION RESISTING STEEL, PASSIVATE PER MIL-F-83296 SPECIFICATION.

MATERIAL: CORROSION RESISTING STEEL, CLASS 304, 304L, 321, 316 AND 347, CONDITION "A" PER SPEC QQ-S-763

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USAF-11	TITLE ELBOW, FLARED, TUBE TO HOSE- 90° SWIVEL NUT	MILITARY STANDARD
Procurement Specification	SUPERSEDES	MS27627
		SHEET 2 OF 2

DD FORM 672