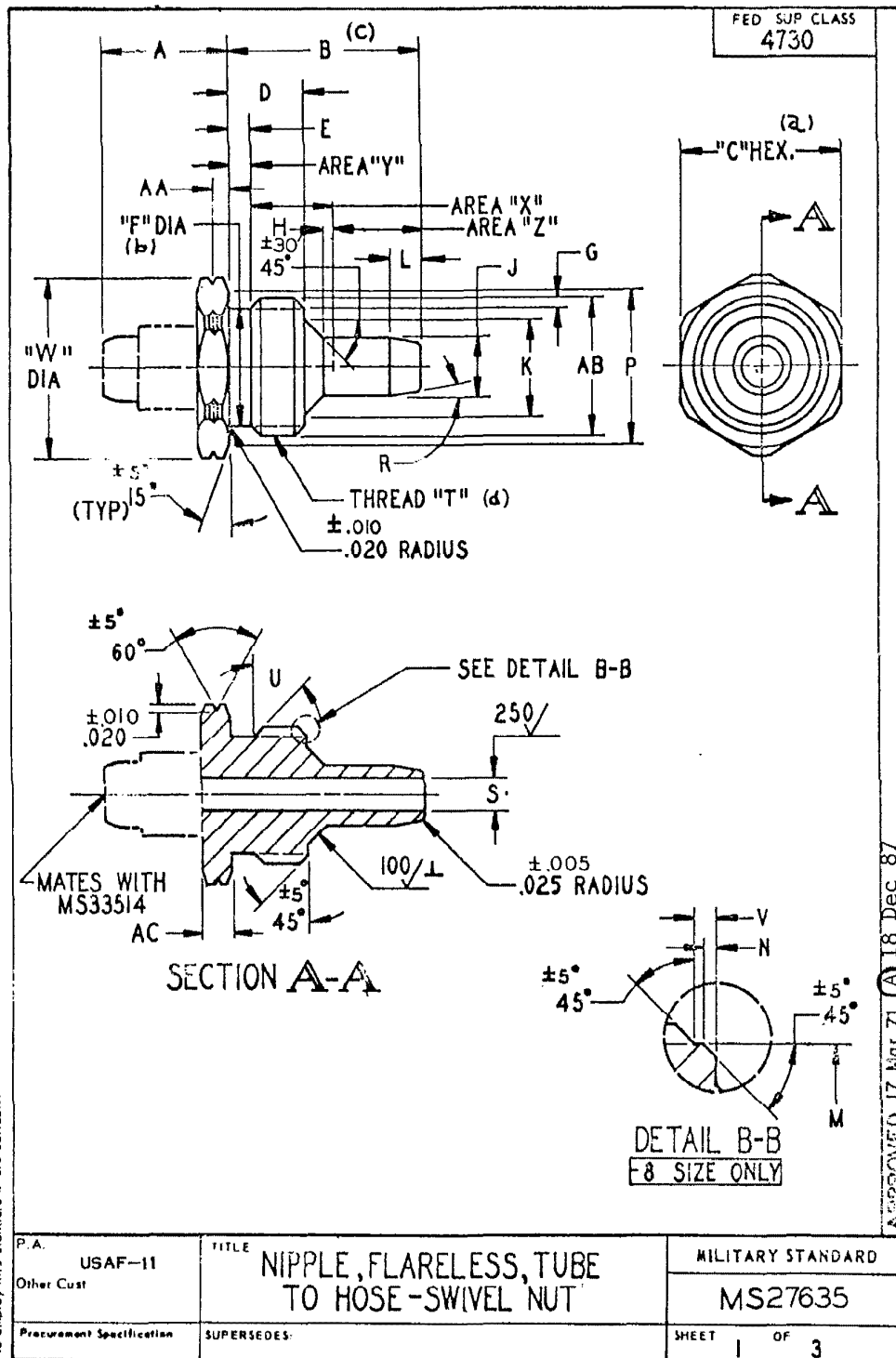


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This standard has been approved by the Department of the Air Force and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.



APPROVED 17 Mar 71 (A) 18 Dec 87

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

DD FORM 1 SEP 67 672 (Limited coordination) IS OF THIS FORM ARE OBSOLETE.

Project 4730-F023

- (2) USE COMMERCIAL STOCK SIZE TOLERANCES
- (b) THREAD GAGE MUST ENTER THREAD RELIEF.
- (c) ALL DIAMETERS WITHIN "B" DIMENSION SHALL BE CONCENTRIC WITHIN .005 TIR.
- (d) THREADS MUST BE ROLLED

THREADS PER SPECIFICATION MIL-S-7742.

MATERIAL : CORROSION RESISTING STEEL, CLASS 304, CONDITION "B".
SPECIFICATION QQ-S-763, MIN YIELD : 70,000 PSI ON -4C, -6C AND -8C
AND 60,000 PSI ON -10C

FINISH : PASSIVATE PER MIL-F-83296

DRY-FILM LUBRICATE AREA "X" IN ACCORDANCE WITH MIL-L-8937.
DRY-FILM ALLOWED IN AREA "Y". DRY-FILM MUST NOT EXTEND BEYOND AREA "Z".

DIMENSIONS IN INCHES, UNLESS OTHERWISE SPECIFIED : RADIUS OR BREAK ALL CORNERS .005, +.005/- .000. REMOVE ALL BURRS AND SLIVERS. SURFACE ROUGHNESS PER ANSI B46.1-1962 NOT TO EXCEED 125 AA . ALL DIAMETERS MUST BE CONCENTRIC WITHIN .010 TIR.

THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.

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

NEXT ASSEMBLY MS27632

APPROVED 17 Mar 71

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P.A. USAF--11	TITLE NIPPLE, FLARELESS, TUBE TO HOSE-SWIVEL NUT.	MILITARY STANDARD
Other Cust		MS27635
Procurement Specification	SUPERSEDES:	SHEET 2 OF 3

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FED SUP CLASS
4730

MS PART NUMBER	A ±.010	B ±.005	C (a) ±.005	D ±.005	E ±.005	F ±.005	G ±.005	H ±.050
MS27635-4C	.583	.929	.750	.379	.110	.544	.041	.100
MS27635-6C	.748	.981	.875	.361	.085	.660	.043	
MS27635-8C	.857	1.137	1.000	.400	.100	.813	—	
MS27635-10C	1.010	1.388	1.250	.338	.100	.989	.037	

J ±.000 - .005	K ±.005	L ±.005	M ±.010	N ±.005	P ±.02	R ± 30'	S ±.005	THREAD "T"
.250	.420	—	—	—	.72	—	.161	5/8-18UNF-3A
.343	.495	—	—	—	.84	—	.271	3/4-16UNF-3A
.445	.610	—	.783	.030	.97	—	.375	7/8-24UNS-3A
.588	.762	.150	—	—	1.22	10'	.465	1 1/8-20UN-3A

PITCH DIAMETER	U ±5°	V ±.005	W ±.005	AA ±.005	AB	AC ±.005
5889/5854	45°	—	.825	.069	.625	.138
.7094/.7056		—	.962	.092	.750	.185
.8479/.8448	30°	.050	1.100	.095	.875	.190
1.0300/1.0266	45°	—	1.375	.125	1.062	.250

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P.A. USAF-11 Other Cust	TITLE NIPPLE, FLARELESS, TUBE TO HOSE - SWIVEL NUT	MILITARY STANDARD MS27635
Procurement Specification	SUPERSEDES	SHEET 3 OF 3

DD FORM 672 (Limited coordinate)