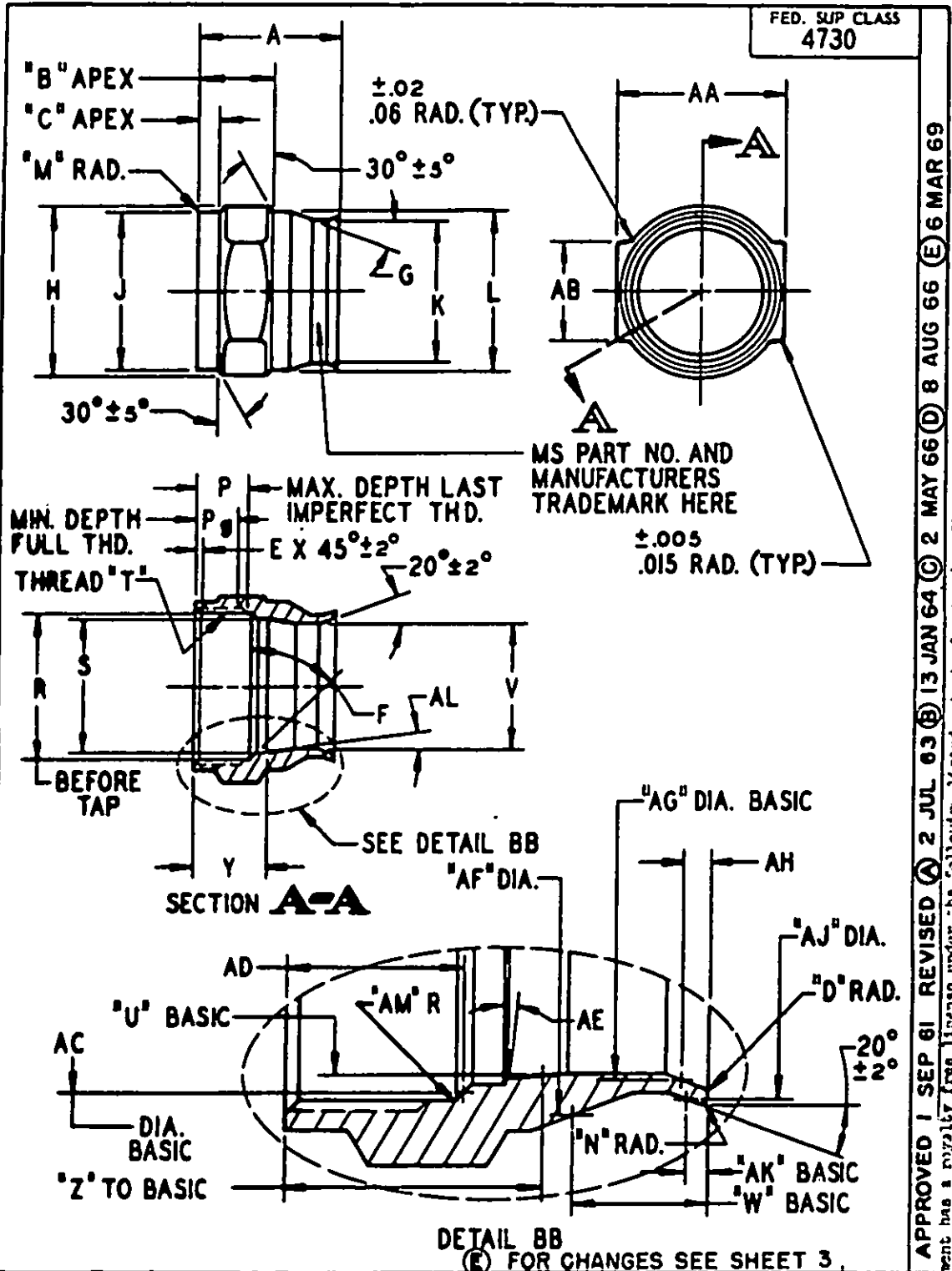


This military standard is approved by the Department of Defense and is mandatory on all activities, instruction for all new engineering and design applications and for repetitive use shall be made from this document

Major Activities:
 Army - AV
 Navy - AS
 Air Force - 11.82



FED. SUP CLASS
4730

APPROVED 1 SEP 61 REVISED 2 JUL 63 13 JAN 64 2 MAY 66 8 AUG 66 6 MAR 69
 The Government has a royalty free license under the following listed 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. AIR FORCE-11	TITLE	MILITARY STANDARD
Other Cust ARMY- AV NAVY- AS	SOCKET, HOSE COUPLING	MS27069
Procurement Specification MIL-F-27272	SUPERSEDES:	SHEET 1 OF 3

FED SUP CLASS
4730

(a) MS27069-3C IS INACTIVE FOR DESIGN AFTER
2 MAY 1966 USE ONLY FOR REPLACEMENT OF IDENTICAL
ITEMS IN EXISTING MILITARY EQUIPMENT. USE MS27069-4C FOR DESIGN.
THREADS PER SPEC MIL-S-7742.

MATERIAL: CORROSION RESISTING STEEL, CLASS 304, COND "B",
SPEC QQ-S-763. MIN YIELD: 60,000 PSI ON -4C THRU -12C,
50,000 PSI ON -16C AND 45,000 PSI ON -20C AND -24C.

PASSIVATE PER PROCUREMENT SPECIFICATION.
THREADS ON -8C THRU -24C SHALL BE DRY-FILM LUBRICATED IN
ACCORDANCE WITH MIL-L-8937. NO OVERSPRAY ALLOWED.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED: RADIUS OR
BREAK ALL CORNERS .005 +.005/-0.00. REMOVE ALL BURRS AND
SLIVERS. SURFACE ROUGHNESS PER ASA B46.1-1962 NOT TO EXCEED
125 RHR. ALL DIAMETERS MUST BE CONCENTRIC WITHIN .005 TIR.

THIS PART FOR USE WITH MIL-H-27267 HOSE.

THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED
HEREIN.

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

NEXT ASSEMBLY MS27053 THRU MS27060.

User Activities:
Army - HI
Navy - SH

Review Activities:
Army - AV
Navy - AS
USAF - 11, 82

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of Defense and is mandatory on all activities. Selec-
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and for repetitive use shall be made from this document.

MS PART NUMBER	A ±.010	B ±.010	C ±.010	D ±.005	E	F	G ±1/2°		
MS27069-4C	.806	.385	.120	.015	.030 ±.005	30°	13 1/2°		
MS27069-5C	.834				.031 ±.015		30°	14 1/2°	
MS27069-6C	.853	.400	.110					14°	
MS27069-8C	.979	.440	.160					17°	
MS27069-10C	1.080	.505	.190	.020	.035 ±.005	60°	18°		
MS27069-12C	1.152	.540	.200				.040 ±.005	30°	16°
MS27069-16C	1.255	.655	.185						20°
MS27069-20C	1.510	.815	.235						23°
MS27069-24C	1.582	.900	.250						22°
MS27069-30	.625	.345	.090	.010	.020 ±.005	45°	16°		

H ±.005	J ±.005	K ±.005	L ±.005	M	N	P MAX	Pg MIN						
.562	.558	.440	.558	.010 ±.005	.030 MAX.	.310	.210						
.625	.620	.514	.620			.030 MAX.	.015 ±.005	.335	.235				
.688	.683	.582	.683					.015 ±.005	.030 MAX.	.320	.215		
.875	.870	.700	.870							.010 ±.005	.030 MAX.	.365	.235
1.000	.995	.822	.995	.015 ±.005	.030 MAX.	.410	.270						
1.125	1.120	.942	1.120			.015 ±.005	.030 MAX.	.435	.360				
1.500	1.495	1.270	1.495					.015 ±.005	.030 MAX.			.490	.380
1.875	1.870	1.520	1.870									.015 ±.005	.030 MAX.
2.125	2.120	1.816	2.120	.010 ±.005	.030 MAX.	.782	.607						
.438	.435	.380	.435			.010 ±.005	.030 MAX.	.250	.200				

P A USAF - 11

MILITARY STANDARD

Other Cust ARMY - AV
NAVY - AS

SOCKET, HOSE COUPLING

MS27069

Procurement Specification
MIL-F-27272

SUPERSEDES:

SHEET 2 OF

APPROVED 1 SEP 61 REVISED (E) FOR CHANGES SEE SHEET 3

The Government has a royalty-free license under the following patent numbers for the rights of manufacture 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; 3,011,163; 3,055,692)

REF. SUP. CLASS
4730

R		S +.000 -.005	THREAD "T"	PITCH DIAMETER	U
.461	+.007 -.000	—	1/2-28 UNEF-3B	.4804/.4768	.3785
.517		—	9/16-24 NEF-3B	.5392/.5354	.4410
.580		—	5/8-24 NEF-3B	.6018/.5979	.5030
.705	+0.005/-0.000	—	3/4-24 NS-3B	.7269/.7229	.6195
.821	+.008 -.000	—	7/8-20 UNEF-3B	.8468/.8425	.7245
.946		—	1-20 UNEF-3B	.9719/.9675	.8665
1.315		1.225	1 3/8-18 NEF-3B	1.3436/1.3389	1.1700
1.627	+0.009/-0.000	1.500	1 11/16-18 NEF-3B	1.6563/1.6514	1.4425
1.870	+0.008/-0.000	1.815	1 15/16-16 N-3B	1.9021/1.8969	1.7185
.341	+0.006/-0.000	—	3/8-32 NEF-3B	.3580/.3547	.2990

User Activities
ARMY - R
NAVY - S

Review Activities
AV - 4
NAVY - 11, 82
AIR FORCE - 11, 82

(E)	V	W	Y ±.005	Z	AA ±.005	AB ±.015	AC
.348	+.005 -.000	.1826	—	.436	+0.013/-0.000	.562	.4362
.411		.2035	—	.447	±.006	.625	.4928
.478	+0.006/-0.000	.2403	—	.430	+0.013/-0.000	.688	.5560
.590	+0.005/-0.000	.2169	—	.527	+0.011/-0.000	.875	.6832
.692	+0.006/-0.000	.2423	—	.592	+0.007/-0.000	1.000	.8008
.825	+0.007/-0.000	.2738	—	.631	±.004	1.125	.9295
1.140	+.005 -.000	.4009	.648	.756	+0.009/-0.000	1.500	1.2708
1.390		.4480	.905	.994	±.008	1.875	1.5645
1.713	±.005	.4538	.942	1.101	±.005	2.125	1.8432
.273	+0.005/-0.000	.1465	—	.349	±.008	.438	.3332

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AD ±.005	AE	AF ±.005	AG	AH ±.010	AJ ±.005	AK	AL ± 1/4°	AM MAX
.328	—	.450	.3878	.051	.450	.0545	9°	—
.353	—	.525	.4568	.059	.525	.0552	8°	—
.338	—	.601	.5290	.066	.601	.0668		—
.385	—	.713	.6362	.060	.713	.0579	9°	—
.427	—	.844	.7500	.075	.844	.0567	8°	—
.463	—	.969	.8818	.073	.969	.0647	8°	—
.524	3° MAX.	1.397	1.2038	.084	1.298	.0649	7°	—
.786	3°±2°	1.710	1.4488		1.545	.0615	8°	—
.827		1.993	1.7424	.079	1.849	.0426	6°	.015
.260	—	.383	.3152	.055	.383	.0442	8°	—

APPROVED 1 SEP 61 REVISED (E) FOR CHANGES SEE SHEET 3.

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DD FORM 672
MILITARY STANDARD
SOCKET, HOSE COUPLING
MS27069
ARMY - AV
NAVY - AS
MIL-F-27272