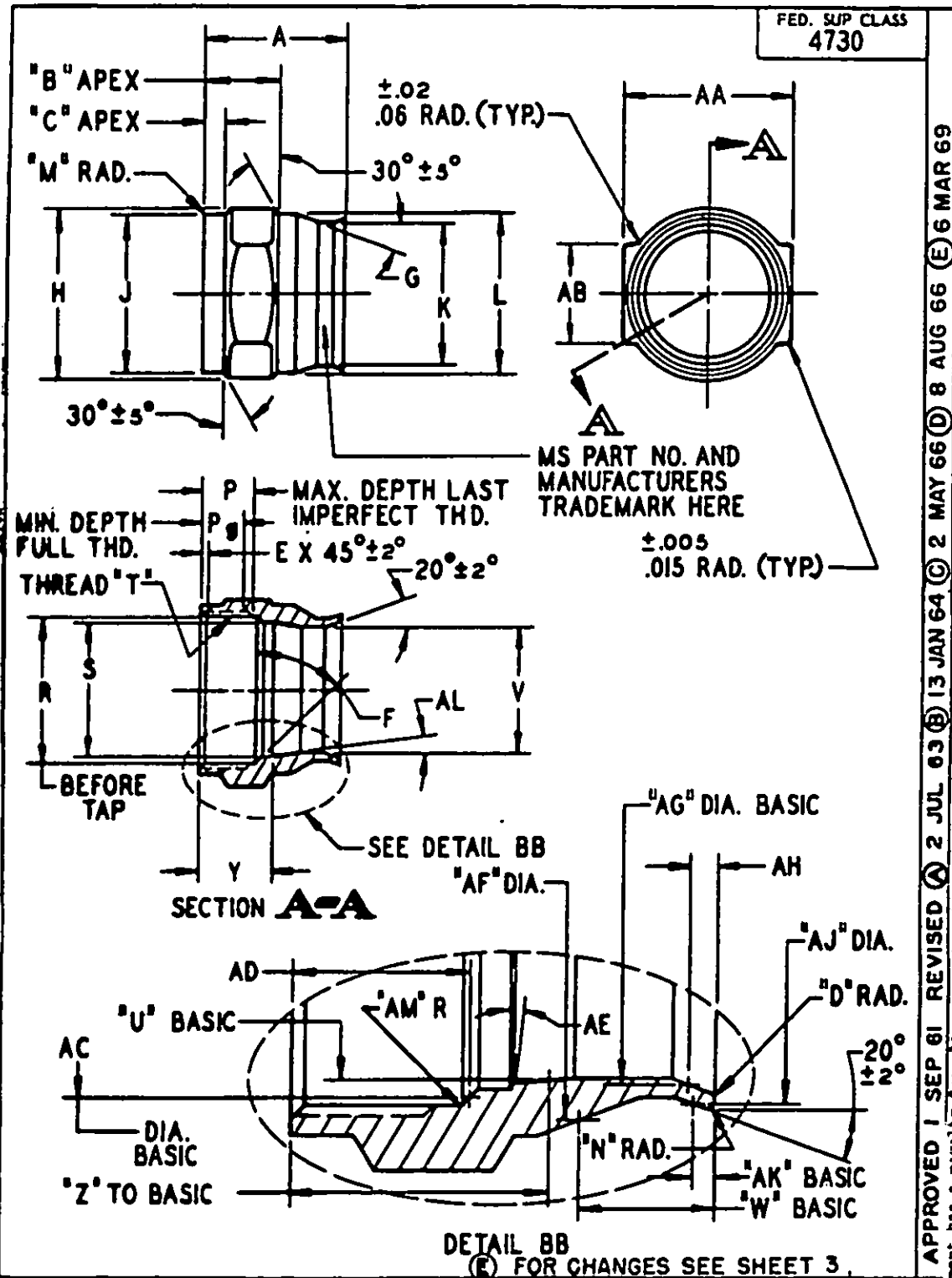


This military standard is approved by the Department of Defense and is mandatory on all activities, instruction for all new engineering and design applications and for repetitive use shall be made from this document

Non Activities:
Army - MI
Navy - SH

Review 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

User Activities:
 Army - HI
 Navy - SH

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

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FED SUP CLASS
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(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.

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°	15 1/2°		
MS27069-5C	.834				.031	±.015		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°	16°		
MS27069-12C	1.152	.540	.200		.040		45°	20°		
MS27069-16C	1.255	.655	.185				30°	23°		
MS27069-20C	1.510	.815	.235				45°	22°		
MS27069-24C	1.582	.900	.250		.010	.020	±.005	45°	16°	
MS27069-30	.625	.345	.090							

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			.335	.235
.688	.683	.582	.683			.320	.215
.875	.870	.700	.870			.365	.235
1.000	.995	.822	.995	.030 MAX.	.015 ±.005	.410	.270
1.125	1.120	.942	1.120			.435	.360
1.500	1.495	1.270	1.495			.490	.380
1.875	1.870	1.520	1.870			.695	.495
2.125	2.120	1.816	2.120			.782	.607
.438	.435	.380	.435	.010 ±.005	.030 MAX	.250	.200

P A USAF-II

Other Cust ARMY - AV
 NAVY - AS

Procurement Specification
 MIL-F-27272

SUPERSEDES:

SOCKET, HOSE COUPLING

MILITARY STANDARD

MS27069

SHEET 2 OF

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

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

REF. SUP. CLASS
4730User Activities:
ARMY - R
NAVY - DReview Activities:
- AV
- A
- 11.82
ARMY
NAVY
Air Force

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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	+ .005/- .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 3/8-18 NEF-3B	1.3436/1.3389	1.1700
1.627	+ .009/- .000	1 1/2-18 NEF-3B	1.6563/1.6514	1.4425
1.870	+ .008/- .000	1 5/8-16 N-3B	1.9021/1.8969	1.7185
.341	+ .006/- .000	3/8-32 NEF-3B	.3580/.3547	.2990

⑤	V	W	Y ± .005	Z	AA ± .005	AB ± .015	AC
.348	+ .005 - .000	.1826	—	.436	+ .013/- .000	.562	.4362
.411		.2035	—	.447	± .006	.625	.4928
.478	+ .006/- .000	.2403	—	.430	+ .013/- .000	.688	.5560
.590	+ .005/- .000	.2169	—	.527	+ .011/- .000	.875	.6832
.692	+ .006/- .000	.2423	—	.592	+ .007/- .000	1.000	.8008
.825	+ .007/- .000	.2738	—	.631	± .004	1.125	.9295
1.140	+ .005 - .000	.4009	.648	.756	+ .009/- .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	+ .005/- .000	.1465	—	.349	± .008	.438	.3332

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		—
.427	—	.844	.7500	.075	.844	.0567	9°	—
.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		1.849	.0426	6°	.015
.260	—	.383	.3152	.055	.383	.0442	8°	—

P A USAF-II

1111

MILITARY STANDARD

Other Users: ARMY - AV
NAVY - AS

SOCKET, HOSE COUPLING

MS27069

Procurement Specification SUPERSEDES
MIL-F-27272

SHEET 3

DD FORM 672

Continuation of

APPROVED 1 SEP 61 REVISED ⑤ FOR CHANGES SEE SHEET 3.

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