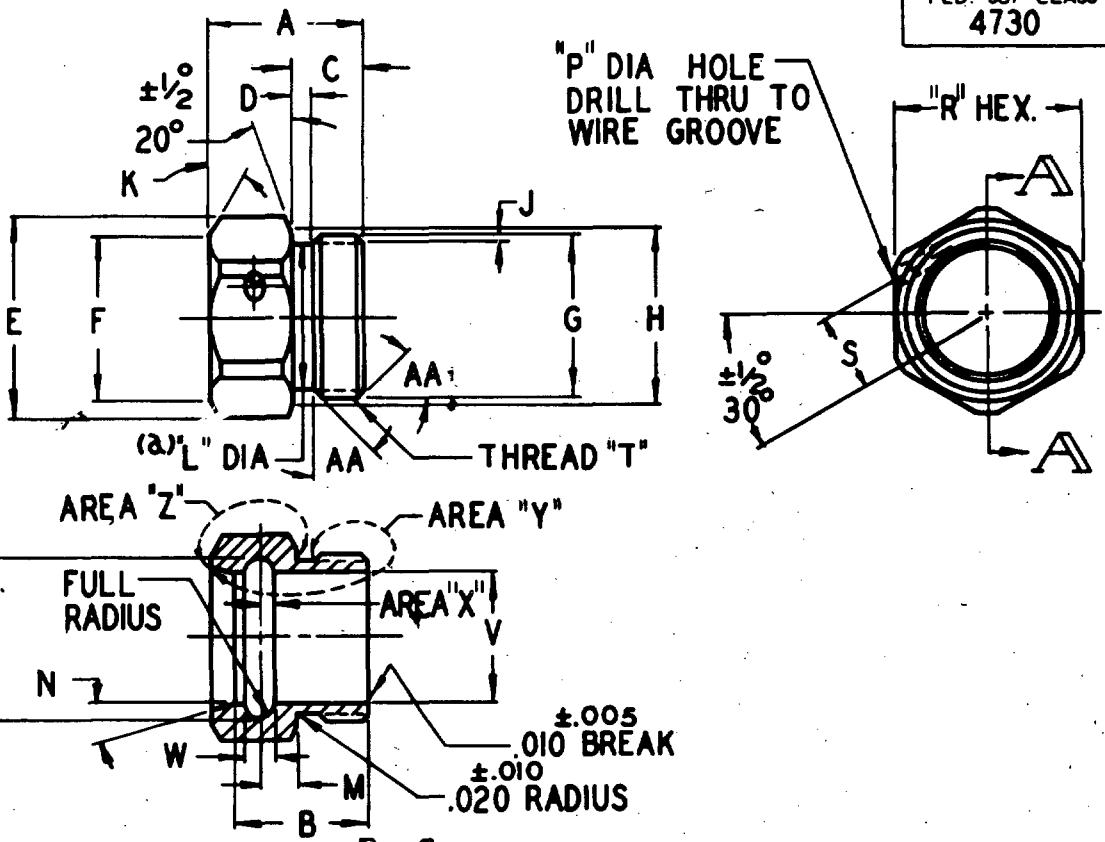


FED. SUP CLASS
4730



SECTION A-A
 THREADS PER SPEC MIL-S-7742.
 MATERIAL: CORROSION RESISTING STEEL, CLASS 304, CONDITION "A"
 SPECIFICATION QQ-S-763.
 ALUMINUM ALLOY, 2024, SPECIFICATION QQ-A-225,
 TEMPER PER MIL-F-5509.
 FINISH: CORROSION RESISTING STEEL, PASSIVATE PER PROCUREMENT
 SPECIFICATION.
 ALUMINUM ALLOY, ANODIZE PER SPECIFICATION MIL-A-8625,
 TYPE II. FOR UNION USED ON FLARED AND FLANGED NIPPLE
 ASSYS DYE BLUE AND ON FLARELESS, YELLOW.

STEEL ONLY: DRY-FILM LUB AREA "Y" IN ACCORDANCE WITH MIL-L-8937. NO
 DRY-FILM ALLOWED IN AREA "Z". DRY-FILM ALLOWED IN AREA "X", BUT NOT REQD.

(a) THREAD GAGE MUST ENTER THREAD RELIEF. THREAD MARKS ON
 THREAD RELIEF SHALL NOT BE CAUSE FOR REJECTION.

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 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 ASSY.
 NEXT ASSEMBLIES MS27062 THRU MS27068.

(B) ENTIRE STANDARD REVISED. (B) FOR CHANGES SEE SHEETS 1 AND 2.

P.A. AIR FORCE-II	TITLE UNION, NIPPLE	MILITARY STANDARD
Other Cust ARMY - MO NAVY - WP		MS27071
Procurement Specification	SUPERSEDES	SHEET 1 OF 2

APPROVED 1 SEP 64 REVISED A 2 JUL 63 B 2 MAY 66

NOTE: 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)

User Activities:
 Army - MI
 Navy - SH
 Air Force - 11-69

This 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.

(B) ENTIRE STANDARD REVISED.

DASH NUMBER	A		B		C ±.005		D ±.005		E	F	G	H	J	K
	STEEL	ALUM	STEEL	ALUM	STEEL	ALUM	STEEL	ALUM						
-4C	—	480	—	—	.250	—	.075	—	.634	.50	.500	±.02	±.005	±1/2
-5C	—	495	—	—	.245	—	.085	—	.707	.56	.562	.53	.031	30°
-6C	—	515	—	—	.265	—	.050	—	.779	.62	.625	.59	.015	MAX
-8C (b)	—	577	—	—	.295	—	.085	—	.995	.81	.750	.84	.031	20°
-10C	-10D	608	—	—	.295	.295	.100	.100	1.140	.94	.875	.97	.035	30°
-12C	-12D	715	595	—	.355	.338	.083	.083	1.284	1.06	1.000	1.09	.038	20°
-16C	-16D	791	640	±.010	.385	.365	.110	.090	1.717	1.44	1.375	1.47	.038	30°
-20C	-20D	835	665	—	.395	.395	.085	.085	2.078	1.75	1.688	1.78	.043	20°
-24C	-24D	995	765	±.005	.495	.495	.100	.100	2.439	2.06	1.938	2.09	.043	30°
(c) 3C	—	448	395	±.005	.230	—	.075	—	.490	.38	.375	.41	.031	30°

FED SUP CLASS
4730

L	M	N	P	R	S	THREAD T	PITCH DIAMETER	U	V	W	AA									
												±.005	±.003	±1/2	±.005	±.000	±.005	±.000	±.005	±.000
438	.086	—	.078	.56	.185	1/2-28 UNEF-3A	4768/4740	.443	.379	.074	45°									
491	.109	—	.086	.62	.203	9/16-24 NEF-3A	5354/5325	.487	.422	.084	45°									
553	—	—	—	.69	.240	5/8-24 NEF-3A	5979/5949	.562	.497	.084	30°									
678	.110	—	.101	.88	.301	3/4-24 NS-3A	7229/7198	.698	.622	.098	45°									
790	.116	—	—	1.00	.346	7/8-20 UNEF-3A	8425/8392	.788	.712	.098	45°									
915	.135	15°	—	1.12	.406	1-20 UNEF-3A	9675/9641	.938	.832	.128	30°									
1282	.150	10°	.131	1.50	.571	1 3/8-18 NEF-3A	13389/13353	1.268	1.156	.128	45°									
1594	.160	15°	—	1.81	.697	1 1/16-18 NEF-3A	16514/16476	1.519	1.411	.128	30°									
1833	—	—	—	2.12	.814	1 1/2-16 N-3A	18969/18929	1.754	1.641	.074	45°									
320	.086	—	.078	.44	.126	3/8-32 NEF-3A	3547/3522	.326	.262	.074	45°									

APPROVED 1 SEP 61 REVISED (B) FOR CHANGES SEE SHEETS 1 AND 2.
 (b) MS27071-8D CANCELLED AFTER 2 MAY 1966. USE MS27071-8C.
 (c) MS27071-3C INACTIVE FOR DESIGN AFTER 2 MAY 1966. USE ONLY IN ASSEMBLIES FOR REPLACEMENT OF IDENTICAL ITEMS IN EXISTING MILITARY EQUIPMENT.

NOTE: 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)

AIR FORCE-II

UNION, NIPPLE

MILITARY STANDARD

MS27071