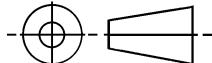
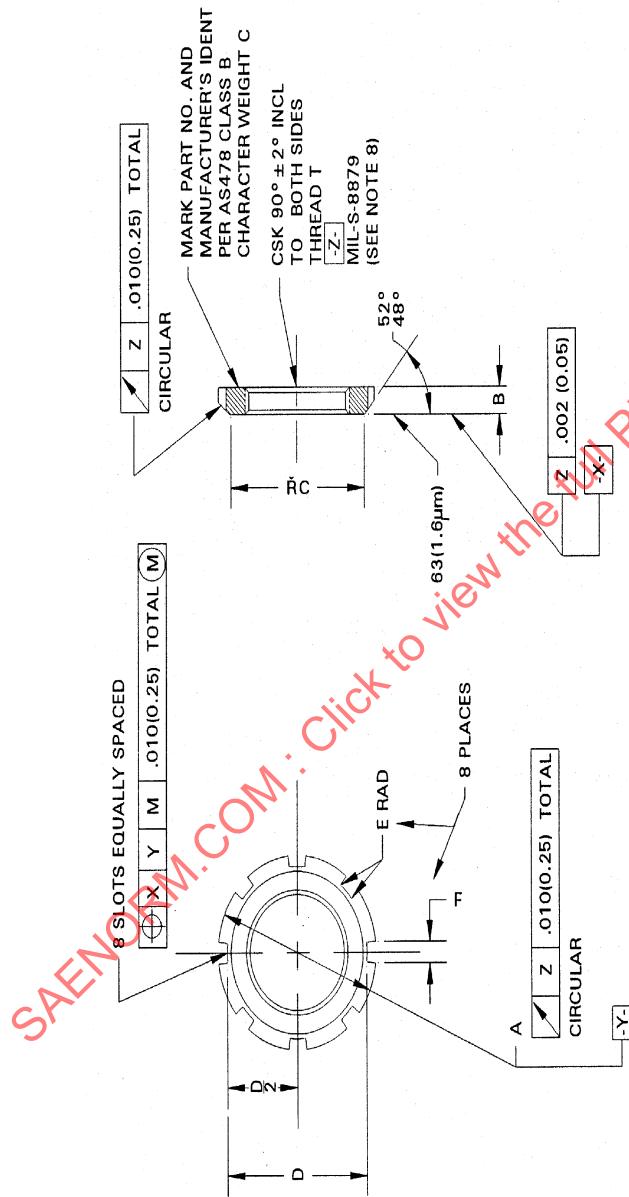


<b>AS172236 THRU AS172270</b>	<b>FEDERAL SUPPLY CLASS 5310</b>		
	<b>NOTICE</b>		
<p>THIS DOCUMENT HAS BEEN TAKEN DIRECTLY FROM U.S. MILITARY SPECIFICATION MS172236 THRU MS172270B, NOTICE 1 AND CONTAINS ONLY MINOR EDITORIAL AND FORMAT CHANGES REQUIRED TO BRING IT INTO CONFORMANCE WITH THE PUBLISHING REQUIREMENTS OF SAE TECHNICAL STANDARDS. THE INITIAL RELEASE OF THIS DOCUMENT IS INTENDED TO REPLACE MS172236 THRU MS172270B, NOTICE 1. ANY PART NUMBERS ESTABLISHED BY THE ORIGINAL SPECIFICATION REMAIN UNCHANGED.</p>			
<p>THE ORIGINAL MILITARY SPECIFICATION WAS ADOPTED AS AN SAE STANDARD UNDER THE PROVISIONS OF THE SAE TECHNICAL STANDARDS BOARD (TSB) RULES AND REGULATIONS (TSB 001) PERTAINING TO ACCELERATED ADOPTION OF GOVERNMENT SPECIFICATIONS AND STANDARDS. TSB RULES PROVIDE FOR (A) THE PUBLICATION OF PORTIONS OF UNREVISED GOVERNMENT SPECIFICATIONS AND STANDARDS WITHOUT CONSENSUS VOTING AT THE SAE COMMITTEE LEVEL, AND (B) THE USE OF THE EXISTING GOVERNMENT SPECIFICATION OR STANDARD FORMAT.</p>			
<p>UNDER DEPARTMENT OF DEFENSE POLICIES AND PROCEDURES, ANY QUALIFICATION REQUIREMENTS AND ASSOCIATED QUALIFIED PRODUCTS LISTS ARE MANDATORY FOR DOD CONTRACTS. ANY REQUIREMENT RELATING TO QUALIFIED PRODUCTS LISTS (QPL'S) HAS NOT BEEN ADOPTED BY SAE AND IS NOT PART OF THIS SAE TECHNICAL DOCUMENT.</p>			
			
<span style="border: 1px solid black; padding: 2px;">THIRD ANGLE PROJECTION</span>			
			
<p>PREPARED BY SAE COMMITTEE E-25</p>			
<p>PROCUREMENT SPECIFICATION: NONE</p>			
 The Engineering Society For Advancing Mobility Land Sea Air and Space® <b>INTERNATIONAL</b> 400 Commonwealth Drive, Warrendale, PA 15096-0001	<b>AEROSPACE STANDARD</b> NUT, SPANNER, BEARING RETAINING, AERONAUTICAL (ASG)	<b>AS172236 THRU AS172270</b> SHEET 1 OF 4	ISSUED 2000-08



1. MATERIAL: STEEL AMS 6381 OR 6382.  
2. HARDNESS: 26-32 HRC. HARDEN (OIL QUENCH) AND TEMPER.  
3. MAGNETIC PARTICLE INSPECTION PER AMS 2640 AND AS 3071.  
4. SURFACE TEXTURE: ANSI B46.1-1962. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES (3.2 MICRORAMMETERS).  
5. DIMENSIONING AND TOLERANCING: ANSI Y14.5-1966,  $\varnothing$  = DIAMETER.  
6. BREAK SHARP EDGES .003-.015 (0.08-0.38) UNLESS OTHERWISE SPECIFIED.  
7. DIMENSIONS IN INCHES (MILLIMETERS). METRIC CONVERSIONS IN PARENTHESES ARE INTERNATIONAL SYSTEM (SI).  
8. THREADS IN ACCORDANCE WITH MIL-S-7742 ARE ACCEPTABLE UNTIL 30 AUGUST 1976.  
9. DO NOT USE UNASSIGNED PART NUMBERS.

AS AND AMS ARE SOCIETY OF AUTOMOTIVE ENGINEERS, INC., PUBLICATIONS.

THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE MILITARY SERVICES BY THE SAE AEROSPACE PROPULSION DIVISION

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PART NO.	NOMINAL BEARING BORE DIAMETER INCH	THREAD DESIGNATION				MINOR DIAMETER INCH	MINOR DIAMETER mm	PITCH DIAMETER INCH	PITCH DIAMETER mm	MAJOR DIA INCH	MAJOR DIA mm	A INCH	A mm	B INCH	B mm
		THREAD	DESIGNATION	INCH	mm										
MS172236	.3937	10	.381-32 UNJS-3B	.3806-3849	9.160-9.268	.3707-.3733	9.416-9.481	.391	9.94	.704-.724	17.89-18.38	.173-.193	4.40-4.90		
MS172237	.4724	12	.469-32 UNJS-3B	.4386-.4429	11.141-11.249	.4487-.4513	11.397-11.463	.468	11.92	.797-.817	20.26-20.75	.173-.193	4.40-4.90		
MS172238	.5906	15	.586-32 UNJS-3B	.55616-.55618	14.113-14.121	.5657-.5687	14.469-14.494	.596	14.89	.923-.943	23.45-23.95	.203-.229	5.31-5.61		
MS172239	.6443	17	.644-32 UNJS-3B	.6326-.6326	16.004-16.169	.6437-.6467	16.360-16.426	.664	16.97	1.047-1.087	26.80-27.10	.209-.229	5.31-5.61		
MS172259	.7654	20	.751-32 UNJS-3B	.7505-.7510	19.006-19.151	.7607-.7641	19.322-19.408	.781	19.84	1.173-1.183	29.50-30.30	.240-.260	6.10-6.80		
MS172260	.9043	25	.899-32 UNJS-3B	.9386-.9420	23.841-23.926	.9487-.9521	24.697-24.183	.969	24.62	1.380-1.380	34.95-35.05	.240-.260	6.10-6.80		
MS172241															
MS172242	1.1811	30	1.173-18 UNJS-3B	1.1189-1.1230	28.421-29.524	1.13691-1.1409	29.678-29.978	1.173	29.80	1.673-1.683	42.50-43.00	.271-.291	6.89-7.39		
MS172243	1.3780	36	1.376-18 UNJS-3B	1.3219-1.3260	33.577-33.860	1.33981-1.3439	34.034-34.136	1.376	34.96	1.881-1.911	48.04-48.53	.271-.291	6.89-7.39		
MS172244	1.5748	40	1.563-18 UNJS-3B	1.50389-1.5134	38.327-38.440	1.52691-1.5314	38.784-38.887	1.563	39.70	2.079-2.099	52.81-53.31	.271-.291	6.89-7.39		
MS172245	1.7717	45	1.767-18 UNJS-3B	1.71291-1.7174	43.508-44.921	1.76691-1.7754	43.985-44.079	1.767	44.89	2.207-2.317	58.05-58.05	.302-.322	7.68-8.17		
MS172246	1.9085	50	1.867-18 UNJS-3B	1.8138-1.8174	48.5198-48.601	1.9303-1.9354	48.945-49.159	1.967	49.97	2.485-2.505	63.12-63.62	.302-.322	7.68-8.17		
MS172247	2.1684	65	2.157-18 UNJS-3B	2.1028-2.1090	53.44-53.543	2.12039-2.1290	53.877-54.000	2.157	54.79	2.735-2.755	69.47-69.87	.302-.322	7.68-8.17		
MS172248	2.3622	60	2.350-18 UNJS-3B	2.30159-2.3110	58.570-58.899	2.32382-2.3290	59.95	2.360	74.25-74.75	74.25-74.93	.334-384	8.49-8.89			
MS172249	2.6591	66	2.549-18 UNJS-3B	2.49382-2.4990	63.346-63.474	2.51192-2.5170	63.802-63.931	2.548	64.72	3.110-3.130	79.00-79.80	.334-384	8.49-8.89		
MS172250	2.7859	70	2.751-18 UNJS-3B	2.69682-2.7020	68.502-68.831	2.7149-2.7200	68.959-69.068	79.88	3.328-3.349	84.66-86.04	84.66-86.04	.334-384	8.49-8.89		
MS172251															
MS172252	2.9828	75	2.933-12 UNJS-3B	2.8518-2.8872	72.466-72.863	2.8189-2.8943	73.124-73.261	2.953	74.50	3.673-3.694	93.50-93.80	.385-395	9.28-9.77		
MS172253	3.1498	80	3.137-12 UNJS-3B	3.0568-3.0617	76.618-76.767	3.0629-3.0767	76.805-76.945	3.137	75.56	3.810-3.911	98.84-98.93	.385-395	9.28-9.77		
MS172254	3.3465	85	3.340-12 UNJS-3B	3.25689-3.2662	82.771-82.8565	3.2669-3.2955	83.462-83.649	3.340	84.84	4.104-4.130	104.40-104.90	.385-395	9.28-9.77		
MS172255	3.6333	90	3.522-12 UNJS-3B	3.4468-3.4932	87.54-87.71	3.4729-3.4933	88.212-88.339	3.527	85.99	4.287-4.317	109.15-109.66	.365-395	9.28-9.77		
MS172256	3.7402	95	3.730-12 UNJS-3B	3.64868-3.6662	92.680-92.967	3.6759-3.6832	93.468-93.556	3.730	94.75	4.516-4.536	114.71-115.21	.395-416	10.06-10.56		
MS172257	3.9370	100	3.918-12 UNJS-3B	3.83686-3.8442	97.495-97.667	3.8639-3.8713	98.443-98.331	3.918	95.52	4.704-4.724	119.49-119.98	.395-416	10.06-10.56		
MS172258	4.1339	105	4.122-12 UNJS-3B	4.0408-4.0491	102.722-102.847	4.0879-4.0762	103.325-103.536	4.122	104.70	4.891-4.911	124.26-124.73	.395-416	10.06-10.56		
MS172259	4.3307	110	4.325-12 UNJS-3B	4.22438-4.2521	107.793-108.003	4.2709-4.2792	108.481-108.891	4.326	109.86	5.110-5.130	129.80-130.30	.395-416	10.06-10.56		

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AEROSPACE STANDARD  
NUT, SPANNER, BEARING RETAINING,  
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AS172270  
SHEET 3 OF 4