

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

Review activities:

Army -
Navy -
Air Force -

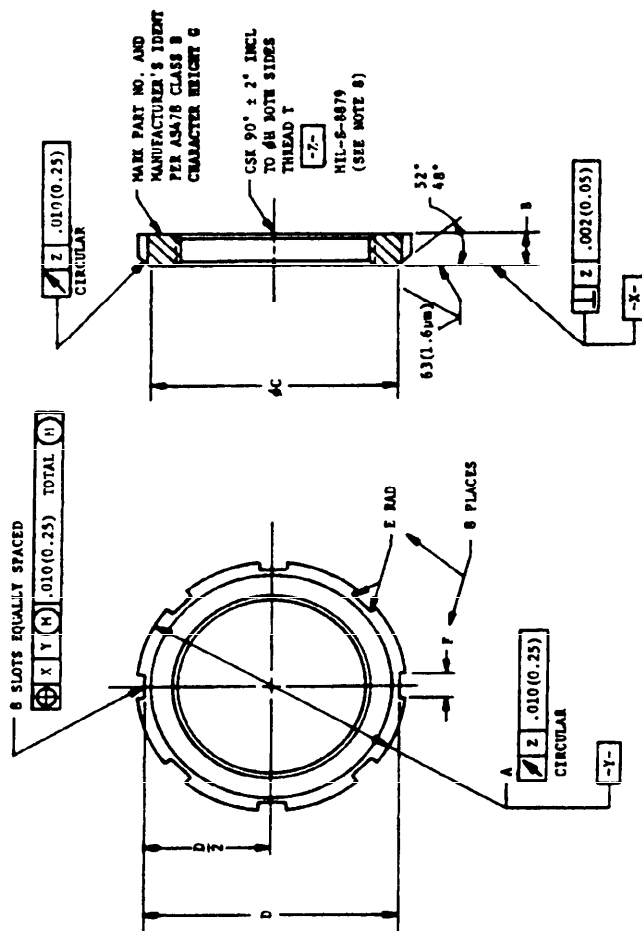
User:

Army - ME
Navy - MC
Air Force -

DSA-15

DSA -

MS172236
THRU
MS172270



1. MATERIAL: STEEL AMS 6381 OR AMS 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 MICROMETERS (3.2 MICROMETERS).
5. DIMENSIONING AND TOLERANCING: ANSI Y14.5-1966, ϕ = 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.

(B) ENTIRE STANDARD REVISED.

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.

APPROVED 30Jm32

REVISED (A) 20Dec57 (B) 16 Dec 74

THIRD ANGLE PROJECTION



FED. SUP CLASS
3110

P.A. Air Force - II

Other Code
Army - AV
Navy - AS

PROCUREMENT SPECIFICATION

TITLE

NUT, SPANNER, BEARING RETAINING,
AERONAUTICAL

SUPERSEDES:

MILITARY STANDARD

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SHEET 1 OF 3

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TITLE

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MS 172236 THRU
172270

SHEET 3 OF 3

DD FORM 672-1

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

Proj. No. 211

MS 172236 THRU
MS 172270

PART NO.	C		D		E		F		G		H		APPROXIMATE MASS	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	LB	KG
MS172236	.511-.531	12.98-13.48	.504-.604	14.84-15.34	.000-.020	0.00-0.50	.115-.135	2.93-3.42	.030-.090	0.77-2.28	.391-.411	9.94-10.43	.010	0.005
MS172237	.603-.625	15.37-15.87	.678-.698	17.23-17.72	.000-.020	0.00-0.50	.115-.135	2.93-3.42	.030-.090	0.77-2.28	.469-.489	11.92-12.42	.014	0.006
MS172238	.730-.750	18.55-19.05	.802-.822	20.38-20.87	.000-.020	0.00-0.50	.115-.135	2.93-3.42	.030-.090	0.77-2.28	.586-.606	14.89-15.39	.021	0.010
MS172239	.855-.875	21.72-22.22	.928-.948	23.58-24.07	.000-.020	0.00-0.50	.115-.135	2.93-3.42	.030-.090	0.77-2.28	.664-.684	16.87-17.37	.028	0.013
MS172240	.980-1.000	24.90-25.40	1.052-1.072	26.73-27.22	.003-.025	0.13-0.63	.178-.198	4.53-5.02	.030-.090	0.77-2.28	.781-.801	19.84-20.34	.036	0.016
MS172241	1.168-1.188	29.67-30.17	1.240-1.260	31.50-32.00	.003-.025	0.13-0.63	.178-.198	4.53-5.02	.030-.090	0.77-2.28	.869-.889	24.62-25.12	.045	0.020
MS172242	1.418-1.438	36.02-36.52	1.490-1.510	37.85-38.35	.003-.025	0.13-0.63	.178-.198	4.53-5.02	.050-.110	1.27-2.79	1.173-1.193	29.80-30.30	.055	0.025
MS172243	1.636-1.656	41.56-42.06	1.709-1.729	43.41-43.91	.003-.025	0.13-0.63	.178-.198	4.53-5.02	.050-.110	1.27-2.79	1.376-1.396	34.96-35.46	.067	0.030
MS172244	1.824-1.844	46.33-46.83	1.896-1.916	48.16-48.66	.010-.030	0.26-0.76	.240-.260	6.10-6.60	.050-.110	1.27-2.79	1.563-1.583	39.71-40.20	.074	0.034
MS172245	2.042-2.062	51.87-52.37	2.115-2.135	53.80-54.32	.010-.030	0.26-0.76	.240-.260	6.10-6.60	.090-.150	2.29-3.81	1.767-1.787	44.89-45.38	.134	0.061
MS172246	2.230-2.250	56.65-57.15	2.302-2.322	58.48-58.97	.010-.030	0.26-0.76	.240-.260	6.10-6.60	.090-.150	2.29-3.81	1.967-1.987	49.97-50.46	.144	0.066
MS172247	2.480-2.500	63.00-63.50	2.552-2.572	64.83-65.32	.010-.030	0.26-0.76	.240-.260	6.10-6.60	.090-.150	2.29-3.81	2.157-2.177	54.79-55.29	.180	0.082
MS172248	2.668-2.688	67.77-68.27	2.740-2.760	69.60-70.10	.010-.030	0.26-0.76	.240-.260	6.10-6.60	.090-.150	2.29-3.81	2.360-2.380	59.93-60.43	.211	0.096
MS172249	2.855-2.875	72.52-73.02	2.928-2.948	74.38-74.87	.010-.030	0.26-0.76	.240-.260	6.10-6.60	.090-.150	2.29-3.81	2.568-2.588	64.72-65.22	.226	0.103
MS172250	3.074-3.094	78.08-78.58	3.146-3.166	79.91-80.41	.010-.030	0.26-0.76	.240-.260	6.10-6.60	.090-.150	2.29-3.81	2.751-2.771	69.88-70.38	.252	0.114
MS172251	3.355-3.375	85.22-85.72	3.428-3.448	87.08-87.57	.015-.035	0.39-0.88	.365-.385	9.28-9.77	.090-.150	2.29-3.81	2.933-2.953	74.50-75.00	.371	0.168
MS172252	3.574-3.594	90.78-91.28	3.646-3.666	92.61-93.11	.015-.035	0.39-0.88	.365-.385	9.28-9.77	.090-.150	2.29-3.81	3.137-3.157	79.68-80.18	.405	0.184
MS172253	3.792-3.812	96.32-96.82	3.865-3.885	98.18-98.67	.015-.035	0.39-0.88	.365-.385	9.28-9.77	.090-.150	2.29-3.81	3.340-3.360	84.84-85.34	.460	0.200
MS172254	3.980-4.000	101.10-101.60	4.052-4.072	102.93-103.42	.015-.035	0.39-0.88	.365-.385	9.28-9.77	.090-.150	2.29-3.81	3.527-3.547	89.39-90.09	.464	0.210
MS172255	4.199-4.219	106.66-107.16	4.271-4.291	108.49-108.99	.015-.035	0.39-0.88	.365-.385	9.28-9.77	.090-.150	2.29-3.81	3.730-3.750	94.75-95.25	.546	0.248
MS172256	4.386-4.406	111.61-112.11	4.459-4.479	113.76-114.26	.015-.035	0.39-0.88	.365-.385	9.28-9.77	.090-.150	2.29-3.81	3.918-3.938	99.52-100.02	.572	0.259
MS172257	4.574-4.594	116.18-116.68	4.646-4.666	118.01-118.51	.020-.040	0.51-1.01	.490-.510	12.45-12.97	.090-.150	2.29-3.81	4.122-4.142	104.70-105.20	.577	0.262
MS172258	4.792-4.812	121.72-122.22	4.865-4.885	123.58-124.07	.020-.040	0.51-1.01	.490-.510	12.45-12.97	.090-.150	2.29-3.81	4.325-4.345	109.83-110.36	.620	0.281

FED. SUP CLASS
3110

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APPROVED 30 Jan 52 REVISED (A) 20 Dec 57 (B) FOR CHANGES SEE SHEETS 1 THRU 3