

RATIONALE

AS9768 IS A NEW SAE STANDARD AND A REPLACEMENT FOR U.S. MILITARY STANDARD MS9768.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9768B. THIS SAE STANDARD MAY RETAIN THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

ANY REQUIREMENTS ASSOCIATED WITH QUALIFIED PRODUCTS LISTS (QPL'S) MAY CONTINUE TO BE MANDATORY FOR DoD CONTRACTS. REQUIREMENTS RELATING TO QPL'S HAVE NOT BEEN ADOPTED BY THE SAE FOR THIS STANDARD AND ARE NOT PART OF THIS SAE DOCUMENT.

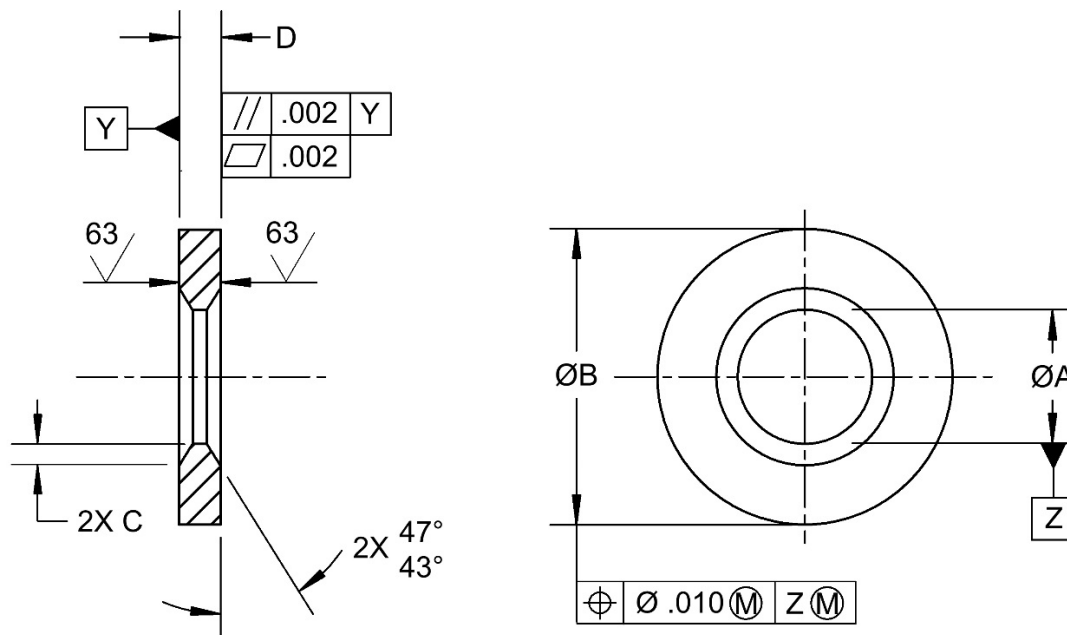


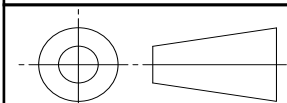
FIGURE 1 - WASHER

TABLE 1 - PART NUMBERS, DIMENSIONS, AND APPROX. MASS

PART NUMBER	NOMINAL SIZE	ØA	ØB	C	D	APPROX MASS LB/100
MS9768-07	.138	.140-.146	.320-.340	.018-.025	.066-.076	.14
MS9768-08	.164	.166-.172	.365-.385	.018-.025	.066-.076	.17
MS9768-09	.190	.192-.200	.428-.448	.022-.030	.075-.085	.27
MS9768-10	.250	.252-.260	.615-.635	.022-.030	.075-.085	.55
MS9768-11	.312	.315-.324	.740-.760	.022-.030	.095-.105	1.02
MS9768-12	.375	.378-.388	.865-.885	.022-.030	.107-.117	1.54
MS9768-13	.438	.441-.451	.990-1.010	.027-.037	.120-.130	2.17
MS9768-14	.500	.504-.515	1.178-1.198	.027-.037	.155-.165	4.03
MS9768-15	.562	.566-.577	1.302-1.322	.027-.037	.155-.165	4.93

SAE values your input. To provide feedback on this Technical Report, please visit <http://standards.sae.org/AS9768>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

WASHER, FLAT, COUNTERSUNK
CORROSION AND HEAT RESISTANT STEEL
(UNS S66286)

AS9768™
SHEET 1 OF 2

Documents

NOTES:

- 1. MATERIAL: CORROSION AND HEAT RESISTANT STEEL AMS5525 OR AMS5737 (COMPOSITION SIMILAR TO UNS S66286).
- 2. HEAT TREATMENT: FINISHED PARTS SHALL MEET THE MATERIAL AND MECHANICAL PROPERTIES OF AMS5737.
- 3. HARDNESS: 29-39 HRC.
- 4. REMOVE BURRS AND BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
- 5. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
- 6. DIMENSIONS ARE IN INCHES.
- 7. MARK PART NUMBER AND MANUFACTURER'S IDENTIFICATION IN ACCORDANCE WITH AS478 METHOD 37 (PACKAGE).
- 8. DIMENSIONING AND TOLERANCING: ASME Y14.5-2009.
- 9. DO NOT USE UNASSIGNED PART NUMBERS.
- 10. UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- 11. REVISION INDICATOR: A CHANGE BAR (I) LOCATED IN THE LEFT MARGIN IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES, HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS DOCUMENT. AN (R) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT, INCLUDING TECHNICAL REVISIONS. CHANGE BARS AND (R) ARE NOT USED IN ORIGINAL PUBLICATIONS, NOR IN DOCUMENTS THAT CONTAIN EDITORIAL CHANGES ONLY

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ASME IS AN AMERICAN SOCIETY OF MECHANICAL ENGINEERS PUBLICATION.

	AEROSPACE STANDARD	AS9768™ SHEET 2 OF 2	
	WASHER, FLAT, COUNTERSUNK CORROSION AND HEAT RESISTANT STEEL (UNS S66286)		