

REV.
C

AS9320™

RATIONALE

INCORPORATE REVISIONS REQUESTED BY U.S. ARMY. ADD NEW NOTE FOR CADMIUM PLATING, UPDATE TO ASME Y14.5, ADD OPTION FOR ZINC-NICKEL PLATING, REVISE SURFACE ROUGHNESS REFERENCES, ADD NEW NOTE FOR DISPOSITION OF EXISTING INVENTORY, AND UPDATE REFERENCES.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9320A, NOTICE 1. 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.

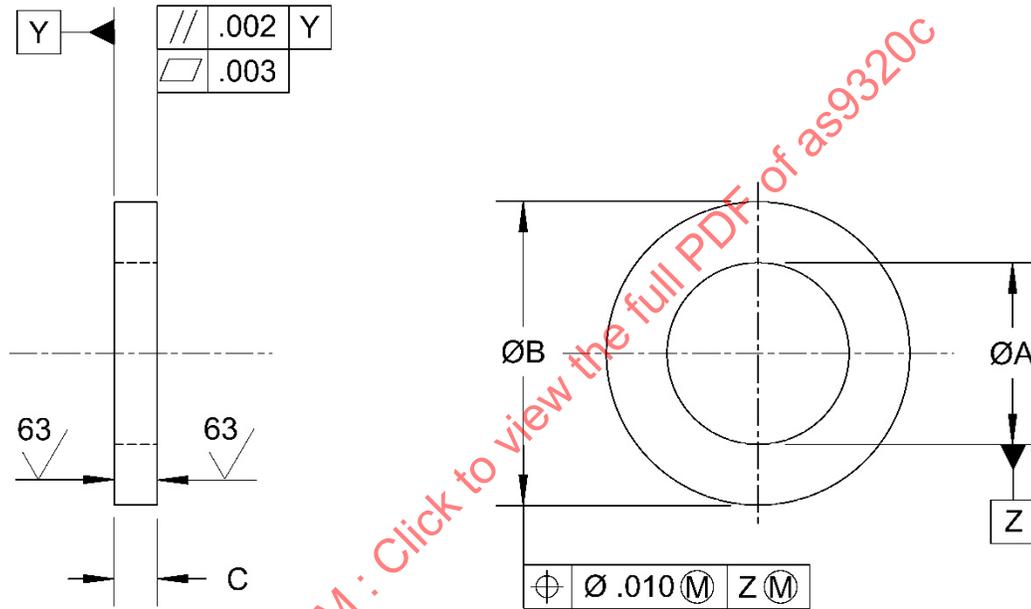
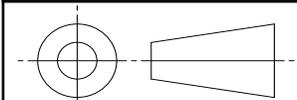


FIGURE 1 - WASHER

For more information on this standard, visit
<https://www.sae.org/standards/content/AS9320C>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

(R) WASHER, FLAT - AMS6350

AS9320™
SHEET 1 OF 3

REV.
C

SAE Executive Standards Committee Rules provide that: " This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user." SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

TABLE 1 - PART NUMBERS AND DIMENSIONS

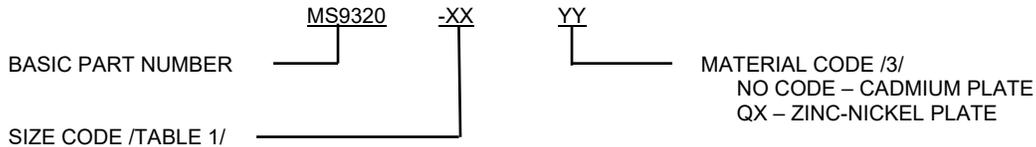
BASIC PART NUMBER AND SIZE CODE /9/	NOMINAL SIZE	ØA	ØB	C	APPROX WEIGHT LB/100
MS9320-04	.099	.114- .129	.240- .260	.026-.036	.04
MS9320-05	.112	.130- .145	.302- .322	.026-.036	.05
MS9320-06	.125	.145- .160	.302- .322	.038-.048	.06
MS9320-07	.138	.154- .169	.365- .385	.038-.048	.11
MS9320-08	.164	.179- .194	.365- .385	.045-.055	.15
MS9320-09	.190	.208- .223	.428- .448	.057-.067	.20
MS9320-10	.250	.271- .286	.490- .510	.057-.067	.24
MS9320-11	.312	.333- .348	.615- .635	.057-.067	.40
MS9320-12	.375	.396- .411	.740- .760	.073-.083	.70
MS9320-13	.438	.458- .473	.865- .885	.089-.099	1.20
MS9320-14	.500	.521- .536	.990-1.010	.104-.114	1.80
MS9320-15	.562	.583- .598	1.115-1.135	.120-.130	2.60
MS9320-16	.625	.646- .661	1.240-1.260	.136-.146	3.60
MS9320-17	.750	.771- .786	1.490-1.510	.167-.177	6.30
MS9320-18	.875	.896- .911	1.740-1.760	.198-.208	10.20
MS9320-19	1.000	1.021-1.036	1.990-2.010	.229-.239	15.40

NOTES:

NOTICE

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS CADMIUM AS A PLATING MATERIAL. CONSULT LOCAL OFFICIALS IF YOU HAVE QUESTIONS CONCERNING CADMIUM'S USE. /13/

1. MATERIAL: STEEL, AMS6350 (SAE 4130, COMPOSITION SIMILAR TO UNS G41300).
 2. HARDEN (OIL QUENCH) AND TEMPER WASHERS TO ROCKWELL C35-40.
- /3/ FINISH:
- a. NO FINISH CODE LETTER: DIFFUSED NICKEL-CADMIUM PLATE PER AMS2416. DIMENSIONS APPLY AFTER PLATING.
 - b. FINSH CODE LETER QX: ZINC-NICKEL PLATE PER MIL-PRF-32647, TYPE K16. DIMENSIONS APPLY AFTER PLATING.
4. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICRINCHES Ra.
 5. MARK PART NUMBER AND MANUFACTURER'S IDENTIFICATION PER ASS478-37.
 6. REMOVE BURRS AND SHARP EDGES.
 7. DIMENSIONS ARE IN INCHES.
 8. DIMENSIONING AND TOLERANCING PER ASME Y14.5-2018.
- /9/ PART NUMBERS:



EXAMPLES OF A COMPLETE PART NUMBER:

- MS9320-12 .375 NOMINAL SIZE, CADMIUM PLATE PER AMS2416
- MS9320-12QX .375 NOMINAL SIZE, ZINC-NICKEL PLATE PER MIL-PRF-32647, TYPE K16