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REV.
C

AS24462™

RATIONALE

AS24462 REV. C IS A FIVE-YEAR REVIEW AND NEEDLE HARDNESS CORRECTION. CHANGES INCLUDE UPDATING THE NEEDLE HARDNESS REQUIREMENTS THAT WERE INCORRECTLY ADDED TO REV. B TO MATCH INDUSTRY STANDARDS. CORRECTED THE WASHER DIAMETER LABEL IN TABLE 1. FORMATTED HOUSING BORE LOW LIMIT TOLERANCE TO FIT A SINGLE ROW.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS39901.

FEDERAL SUPPLY CLASS
3110

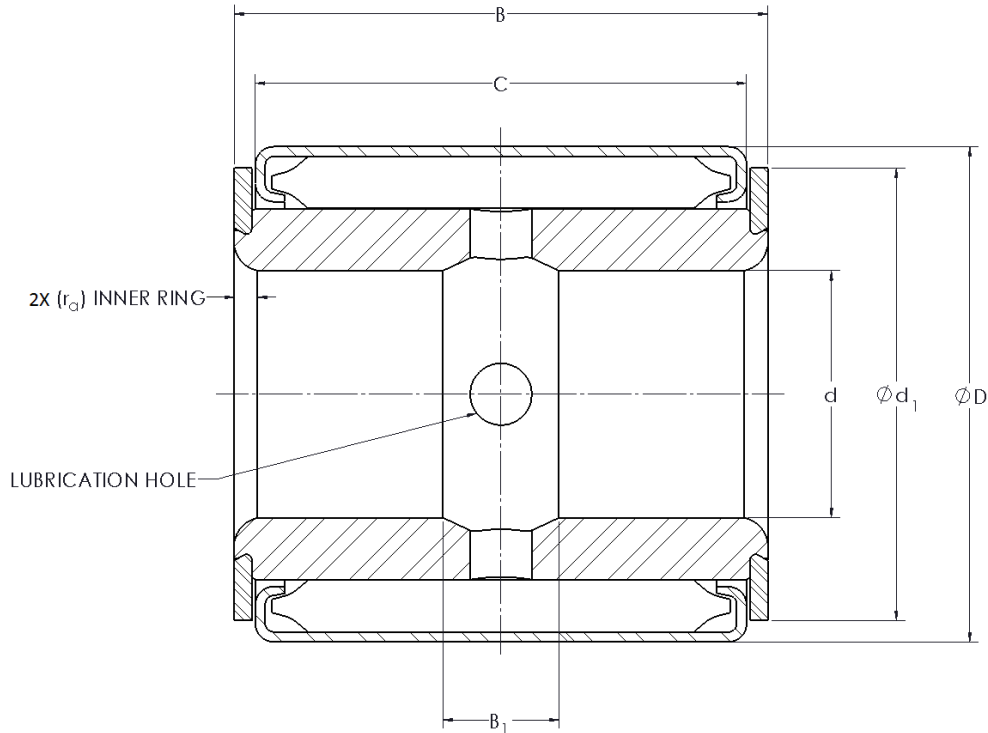
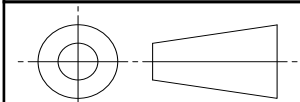


FIGURE 1 - PART CONFIGURATION

For more information on this standard, visit
<https://www.sae.org/standards/content/AS24462C/>

THIRD ANGLE PROJECTION



CUSTODIAN: ACBG

PROCUREMENT SPECIFICATION: AS39901



AEROSPACE STANDARD

BEARING, ROLLER, NEEDLE, SINGLE ROW, THIN
SHELL TYPE II, ANTIFRICTION, INCH

AS24462™
SHEET 1 OF 4

REV.
C

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TABLE 1

DASH NO.	Ød BORE	ØD OUTER RING OUTSIDE DIA 1/ 3/	B OVERALL WIDTH 1/	C OUTER RING WIDTH 1/	Ød ₁ WASHER OUTSIDE DIA (REF)	B ₁ LUBRICATION GROOVE WIDTH (REF)	r _a FILLET MAX 2/	RADIAL INTERNAL CLEARANCE MAX	LIMIT LOAD RATING POUNDS	WEIGHT (APPROX) POUNDS
-3	.1900	.6250	.625	.500	.562	NONE	.022	.0015	679	.040
-4	.2500		.562						878	.025
-5	.3125		.625		.625				988	.050
-6	.3750	.7500	.812	.750	.688	.188	.032		1920	.060
-7	.4375	.8125			.750				2110	.090
-8	.5000	1.0000	.875		.938				2350	.120
-10	.6250	1.1250			1.062				2690	.150
-12	.7500	1.2500	1.125	1.000	1.188	.250			4480	.210
-14	.8750	1.3750			1.312				5000	.240
-16	1.0000	1.5000			1.438				5510	.270
-20	1.2500	1.8750			1.375				1.812	8180
								.0017		

1/ ALL DIMENSIONS TO BE MET AFTER PLATING.

2/ THE CHAMFER ON BEARINGS MUST CLEAR THE MAXIMUM FILLET RADIUS GIVEN IN THE TABLE. THIS SPECIFICATION DOES NOT CONTROL BEARING CHAMFER CONTOURS.

3/ DO NOT MEASURE OD WHEN BEARING IS IN FREE STATE. DIMENSIONS ABOVE ARE FOR BASIC OUTSIDE DIAMETER.

TABLE 2 - TOLERANCE LIMITS

Ød BASIC BORE MEAN		ALLOWABLE DEVIATION FROM d OF SINGLE MEAN Ød _{mp}		ALLOWABLE DEVIATION FROM OVERALL WIDTH B		ALLOWABLE DEVIATION FROM WASHER OUTSIDE DIA Ød ₁		ALLOWABLE DEVIATION FROM LUBRICATION GROOVE WIDTH B ₁	
OVER	INCL	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW
.1250	1.2500	+0.0000	-0.0005	+0.000	-0.005	+0.010	-0.010	+0.000	-0.062

ØD BASIC OUTER RING OUTSIDE DIA		HOUSING BORE ALLOWABLE DEVIATION FROM D OF SINGLE MEAN DIAMETER		ALLOWABLE DEVIATION FROM OUTER RING WIDTH C	
OVER	INCL	HIGH	LOW	HIGH	LOW
.5625	1.8750	+0.0005	-0.0005	+0.000	-0.010

TABLE 3 - OIL HOLE DATA

BORE-DASH NO.		NUMBER OF HOLES
OVER	INCL	INNER RING
2	5	NONE
5	10	2
10	20	4

	AEROSPACE STANDARD	AS24462™ SHEET 2 OF 4	REV. C
	BEARING, ROLLER, NEEDLE, SINGLE ROW, THIN SHELL TYPE II, ANTIFRICTION, INCH		


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