

SAE-AS24463

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Adopting Activity

Navy - AS
(Project 3110-1098)

Review Activities:

Army - AR, AV, MI
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AMSC N/A

FSC 3110

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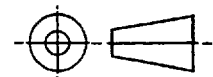
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AEROSPACE STANDARD

BEARING, ROLLER, NEEDLE-SINGLE ROW, HEAVY DUTY,
SELF-ALIGNING, TYPE III, ANTIFRICTION, INCH

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SHEET 1 OF 3

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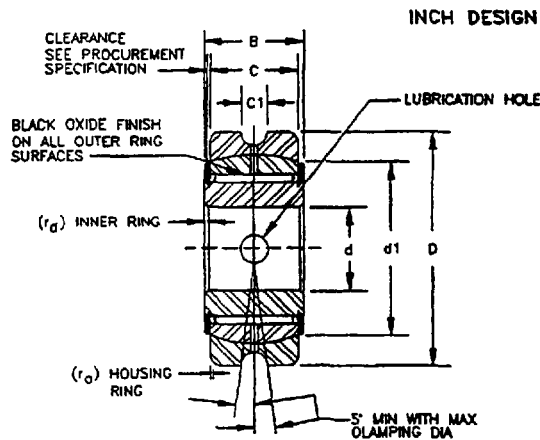
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DIMENSIONS IN INCHES

DASH NO	ød BORE	D HOUSING RING OUTSIDE DIA	D OVERALL WIDTH	C OUTER RING WIDTH	d1 WASHER OUTSIDE DIA	C1 LUBRICATION GROOVE WIDTH	r _d FILLET MAX	TOTAL RADIAL PLAY MAX	ød CLAMPING DIAMETER		LIMIT LOAD RATING LBF	MASS (APPROX) LB	HOUSING SIZE GAGE +0.0000 -0.0001	
									MAX	MIN			LOW	HIGH
-3	0.1900	0.8750	0.312	0.218	0.625	0.042	0.022	0.0029	0.525	0.438	1800	0.041	0.8742	0.8747
-4	0.2500	0.9375	0.375	0.281	0.687	0.093	0.022	0.0029	0.688	0.516	2870	0.053	0.9367	0.9372
-5	0.3125	1.0625	0.437	0.344	0.750	0.093	0.022	0.0029	0.734	0.578	4070	0.079	1.0617	1.0622

DIMENSIONS IN MILLIMETERS

DASH NO	ød BORE	D HOUSING RING OUTSIDE DIA	D OVERALL WIDTH	C OUTER RING WIDTH	d1 WASHER OUTSIDE DIA	C1 LUBRICATION GROOVE WIDTH	r _d FILLET MAX	TOTAL RADIAL PLAY MAX	ød CLAMPING DIAMETER		LIMIT LOAD RATING N	MASS (APPROX) KG	HOUSING SIZE GAGE +0.0000 -0.0003	
									MAX	MIN			LOW	HIGH
-3	4.826	22.225	7.92	5.54	15.88	1.37	0.6	0.074	15.88	11.13	8000	0.019	22.205	22.217
-4	6.350	22.812	9.52	7.14	17.45	2.35	0.6	0.074	17.48	13.11	12700	0.024	23.792	23.605
-5	7.938	26.988	11.10	8.74	19.05	2.35	0.6	0.074	18.64	14.68	18100	0.036	26.967	26.950

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