

FEDERAL SUPPLY CLASS
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**REV.
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AS21446

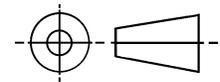
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THIRD ANGLE PROJECTION



ISSUED 1999-09 CANCELLED 2004-07

PREPARED BY AIRFRAME CONTROL BEARINGS GROUP

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

BEARING, ROLLER, SELF-ALIGNING SINGLE ROW,
BARREL ROLLER, TORQUE TUBE, AIRFRAME,
ANTIFRICTION, SEALED TYPE V

AS21446
SHEET 1 OF 4

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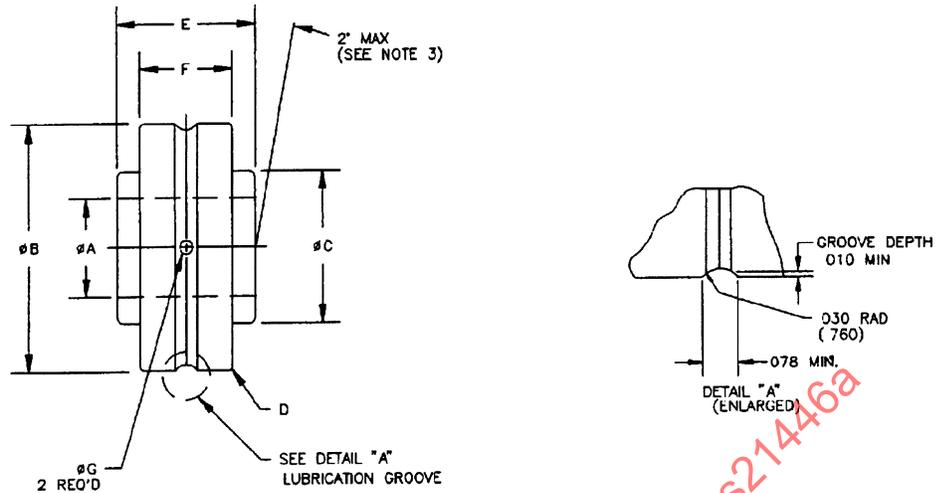
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THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION: MIL-B-8914.



DASH NO	ØA + 0000 - 0005 BORE	ØB + 0000 - 0005 O.D	ØC MIN	D + 015 - .000 RADIUS	E + 000 - 005 WIDTH INNER RING	F + 000 - 005 WIDTH INNER RING	ØG LUBRICATION HOLE	WEIGHT MAX POUNDS	STATIC LIMIT LOAD POUNDS		DYNAMIC LOAD RATING POUNDS
									RADIAL	AXIAL	RADIAL
-25	1.5360	2.5000	1.800	0.30	.670	.580	.060	41	12,400	1,000	6,600
-28	1.7500	2.6880	1.980					49	13,700	1,100	7,000
-33	2.0630	3.0000	2.300					54	15,800	1,300	7,600
-37	2.3130	3.2500	2.560					58	17,000	1,400	8,000
-47	2.9380	3.8750	3.200					75	21,000	1,700	9,000
-49	3.0630	4.0000	3.330					78	21,900	1,800	9,100

REQUIREMENTS:

1. MATERIAL:

RETAINER, CARBON STEEL, ONE PIECE
RINGS AND ROLLERS, STEEL, MIL-S-7420, PER FED. STD. NO. 66, STEEL AMS 6440
SEALS: GLASS FIBER REINFORCED PTFE

2. FINISH: ALL EXTERNAL SURFACES, AS MOUNTED, ZINC-NICKEL PLATE PER AMS 2417, TYPE 2, OR CADMIUM PLATED IN ACCORDANCE WITH QQ-P-416, TYPE I, CLASS 2, THICKNESS .0003 TO .0006 INCHES.

3. SURFACE ROUGHNESS: RACEWAYS 8 MICROINCHES Ra, ROLLER 6 MICROINCHES Ra, OTHER GROUND SURFACES 32 MICROINCHES Ra IN ACCORDANCE WITH ANSI/ASME B46.1. REMOVE BURRS AND SHARP EDGES.

4. DIMENSIONS: ALL DIMENSIONS ARE AFTER PLATING AND ARE IN INCHES, UNLESS OTHERWISE SPECIFIED.

5. TOLERANCES-DECIMALS +.010(.250) TO -.000(0), UNLESS OTHERWISE SPECIFIED.