

REV.
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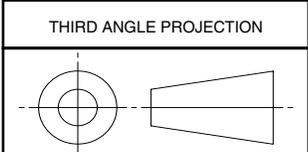
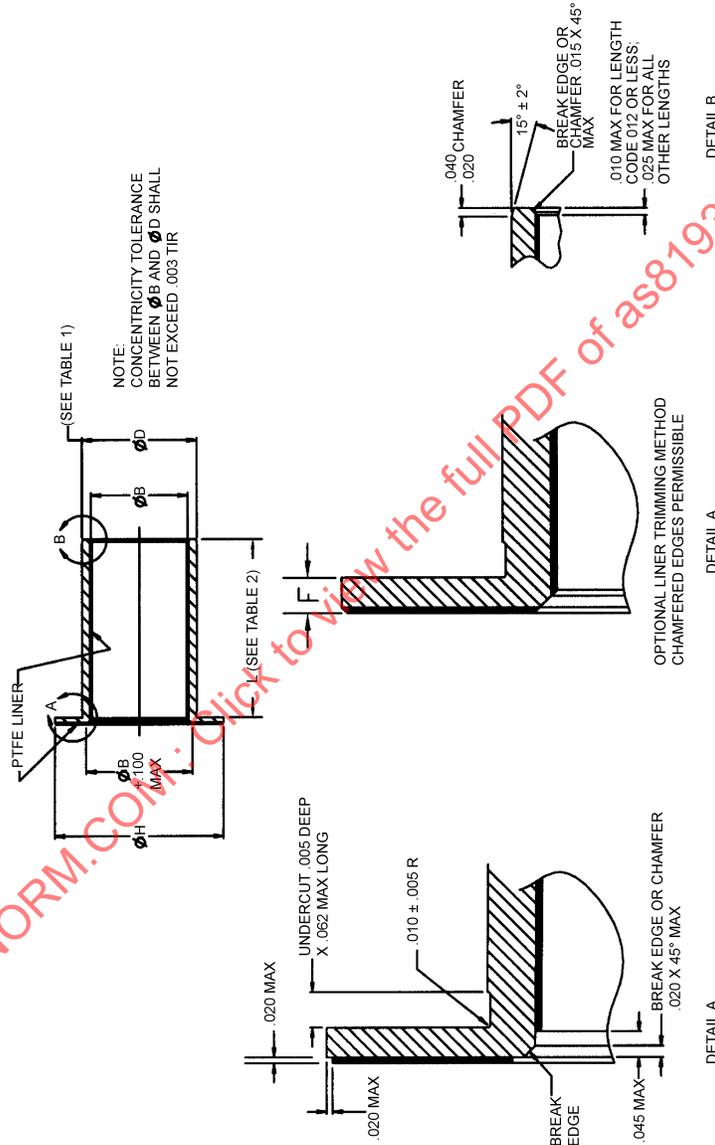
AS81934/2

FEDERAL SUPPLY CLASS
3120

NOTICE

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 PROCUREMENT DOCUMENT: SAE AS81934.

THIS DOCUMENT INCLUDES CADMIUM AS A PLATING MATERIAL. THE USE OF CADMIUM HAS BEEN RESTRICTED AND/OR BANNED FOR USE IN MANY COUNTRIES DUE TO ENVIRONMENTAL AND HEALTH CONCERNS. THE USER SHOULD CONSULT WITH LOCAL OFFICIALS ON APPLICABLE HEALTH AND ENVIRONMENTAL REGULATIONS REGARDING ITS USE.



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CUSTODIAN: SAE AIRFRAME CONTROL BEARINGS GROUP

ISSUED 1998-04 REVISED 2004-11

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) BEARING, SLEEVE, FLANGED,
SELF-LUBRICATING, -65 °F TO 325 °F

AS81934/2
SHEET 1 OF 7

**REV.
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TABLE 1 - DIMENSIONS AND WEIGHTS

PART NO.	NOMINAL SIZE (REF)	ØB (BORE DIA) +.0000 -.0010	ØD 1/	F +.000 -.005	ØH +.000 -.020	SLEEVE WEIGHT LB/IN (REF) L = 1.000		FLANGE WEIGHT LB/IN (REF)	
						AL	CRES	AL	CRES
						M81934/2-04	.2500	.2515	.3760
M81934/2-05	.3125	.3140	.4386	.0625	.812	.007	.019	.003	.007
M81934/2-06	.3750	.3765	.5012	.0625	.875	.008	.022	.003	.007
M81934/2-07	.4375	.4390	.5638	.0625	.937	.009	.025	.003	.008
M81934/2-07A 2/					.745				
M81934/2-08	.5000	.5015	.6265	.0625	1.000	.011	.028	.003	.009
M81934/2-09	.5625	.5640	.6892	.0625	1.125	.012	.031	.004	.011
M81934/2-10	.6250	.6265	.8142	.0625	1.250	.021	.056	.005	.014
M81934/2-11	.6875	.6890	.8767	.0625	1.375	.022	.060	.006	.016
M81934/2-12	.7500	.7515	.9393	.0625	1.500	.024	.065	.007	.020
M81934/2-14	.8750	.8765	1.0645	.0625	1.625	.028	.075	.008	.022
M81934/2-16	1.0000	1.0015	1.1898	.0625	1.750	.031	.084	.009	.024
M81934/2-18	1.1250	1.1265	1.3148	.0937	1.875	.035	.094	.015	.041
M81934/2-20	1.2500	1.2515	1.4398	.0937	2.000	.038	.103	.016	.045
M81934/2-22	1.3750	1.3765	1.5648	.0937	2.125	.041	.113	.017	.048
M81934/2-24	1.5000	1.5015	1.7523	.0937	2.250	.062	.171	.018	.051
M81934/2-26	1.6250	1.6265	1.8773	.0937	2.375	.067	.183	.020	.055
M81934/2-28	1.7500	1.7515	2.0023	.0937	2.500	.071	.196	.021	.058
M81934/2-32	2.0000	2.0015	2.2523	.0937	2.750	.081	.222	.023	.065

1/ ØD TOLERANCE: ALUMINUM ±.0005; CORROSION RESISTANT STEEL +.0000, -.0005

EXAMPLE OF WEIGHT CALCULATION; M81934/2-16A008:

SLEEVE WEIGHT: (.031 LB/IN) X .250 IN = .008 LB

FLANGE WEIGHT: = .009 LB

TOTAL WEIGHT: = .017 LB

2/ INACTIVE FOR NEW DESIGN AFTER 1 AUGUST 1981. USE M81934/2-07.

TABLE 2 - SLEEVE BEARING LENGTH

PART NO.	NOMINAL SIZE	LENGTH L + .000/- .010															
		.156	.187	.218	.250	.281	.312	.343	.375	.437	.500	.562	.625	.687	.750	.875	
M81934/2-04	.2500	.005	.006	.007	.008	.009	.010	.011	.012	.014							
M81934/2-05	.3125	.005	.006	.007	.008	.009	.010	.011	.012	.014	.016	.018					
M81934/2-06	.3750	.005	.006	.007	.008	.009	.010	.011	.012	.014	.016	.018	.020	.022	.024	.028	
M81934/2-07	.4375	.005	.006	.007	.008	.009	.010	.011	.012	.014	.016	.018	.020	.022	.024	.028	
M81934/2-08	.5000	.005	.006	.007	.008	.009	.010	.011	.012	.014	.016	.018	.020	.022	.024	.028	
M81934/2-09	.5625	.005	.006	.007	.008	.009	.010	.011	.012	.014	.016	.018	.020	.022	.024	.028	
M81934/2-10	.6250	.005	.006	.007	.008	.009	.010	.011	.012	.014	.016	.018	.020	.022	.024	.028	
M81934/2-11	.6875				.008	.009	.010	.011	.012	.014	.016	.018	.020	.022	.024	.028	
M81934/2-12	.7500				.008	.009	.010	.011	.012	.014	.016	.018	.020	.022	.024	.028	
M81934/2-14	.8750				.008	.009	.010	.011	.012	.014	.016	.018	.020	.022	.024	.028	
M81934/2-16	1.000				.008	.009	.010	.011	.012	.014	.016	.018	.020	.022	.024	.028	
M81934/2-18	1.1250						.010	.011	.012	.014	.016	.018	.020	.022	.024	.028	
M81934/2-20	1.2500								.012	.014	.016	.018	.020	.022	.024	.028	
M81934/2-22	1.3750								.012	.014	.016	.018	.020	.022	.024	.028	
M81934/2-24	1.5000								.012	.014	.016	.018	.020	.022	.024	.028	
M81934/2-26	1.6250										.016	.018	.020	.022	.024	.028	
M81934/2-28	1.7500										.016	.018	.020	.022	.024	.028	
M81934/2-32	2.0000										.016	.018	.020	.022	.024	.028	

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TABLE 2 - SLEEVE BEARING LENGTH (CONTINUED)

PART NO.	NOMINAL SIZE	LENGTH L +.000/-010															
		1.000	1.125	1.250	1.375	1.500	1.625	1.750	1.875	2.000	2.125	2.250	2.375	2.500	2.750	3.000	
M81934/2-04	.2500																
M81934/2-05	.3125																
M81934/2-06	.3750																
M81934/2-07	.4375																
M81934/2-08	.5000																
M81934/2-09	.5625	.032	.036														
M81934/2-10	.6250	.032	.036	.040	.044												
M81934/2-11	.6875	.032	.036	.040	.044	.048	.052										
M81934/2-12	.7500	.032	.036	.040	.044	.048	.052										
M81934/2-14	.8750	.032	.036	.040	.044	.048	.052										
M81934/2-16	1.0000	.032	.036	.040	.044	.048	.052	.056	.060								
M81934/2-18	1.1250	.032	.036	.040	.044	.048	.052	.056	.060								
M81934/2-20	1.2500	.032	.036	.040	.044	.048	.052	.056	.060	.064							
M81934/2-22	1.3750	.032	.036	.040	.044	.048	.052	.056	.060	.064	.068						
M81934/2-24	1.5000	.032	.036	.040	.044	.048	.052	.056	.060	.064	.068						
M81934/2-26	1.6250	.032	.036	.040	.044	.048	.052	.056	.060	.064	.068	.072	.076	.080	.088		
M81934/2-28	1.7500	.032	.036	.040	.044	.048	.052	.056	.060	.064	.068	.072	.076	.080	.088	.096	
M81934/2-32	2.0000	.032	.036	.040	.044	.048	.052	.056	.060	.064	.068	.072	.076	.080	.088	.096	

TABLE 3 - OVERSIZE BEARING DIMENSIONS 2/

RESTRICTED USAGE FOR REPAIR WORK ONLY

.010 AND .020 OVERSIZE OUTSIDE DIAMETER FOR
REPLACEMENT OF BEARINGS SHOWN ON SHEET 2

PART NO.	NOMINAL SIZE	1ST OVERSIZE (.010) ØD 1/	PART NO.	NOMINAL SIZE	2ND OVERSIZE (.010) ØD 1/
M81934/2-04	.2500	.3860	M81934/2-04	.2500	.3960
M81934/2-05	.3125	.4486	M81934/2-05	.3125	.4586
M81934/2-06	.3750	.5112	M81934/2-06	.3750	.5212
M81934/2-07	.4375	.5738	M81934/2-07	.4375	.5838
M81934/2-08	.5000	.6365	M81934/2-08	.5000	.6465
M81934/2-09	.5625	.6992	M81934/2-09	.5625	.7092
M81934/2-10	.6250	.8242	M81934/2-10	.6250	.8342
M81934/2-11	.6875	.8867	M81934/2-11	.6875	.8967
M81934/2-12	.7500	.9493	M81934/2-12	.7500	.9593
M81934/2-14	.8750	1.0745	M81934/2-14	.8750	1.0845
M81934/2-16	1.0000	1.1998	M81934/2-16	1.0000	1.2098
M81934/2-18	1.1250	1.3248	M81934/2-18	1.1250	1.3348
M81934/2-20	1.2500	1.4498	M81934/2-20	1.2500	1.4598
M81934/2-22	1.3750	1.5748	M81934/2-22	1.3750	1.5848
M81934/2-24	1.5000	1.7623	M81934/2-24	1.5000	1.7723
M81934/2-26	1.6250	1.8873	M81934/2-26	1.6250	1.8973
M81934/2-28	1.7500	2.0123	M81934/2-28	1.7500	2.0223
M81934/2-32	2.0000	2.2623	M81934/2-32	2.0000	2.2723

1/ ØD TOLERANCE ALUMINUM ±.0005; CORROSION RESISTANT STEEL +.0000, -.0005.

2/ BEFORE INITIATING A REPAIR PROCEDURE TO USE AN OVERSIZE BEARING, APPROVAL FOR MODIFYING AND REIDENTIFYING THE BEARING HOUSING MUST BE OBTAINED FROM THE COGNIZANT ENGINEERING AUTHORITY.