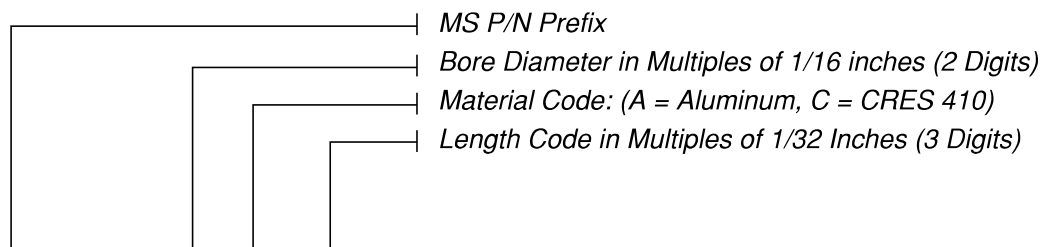


**LENGTH (Tolerance + .000,-.010)
(+0.00, -0.25mm)**

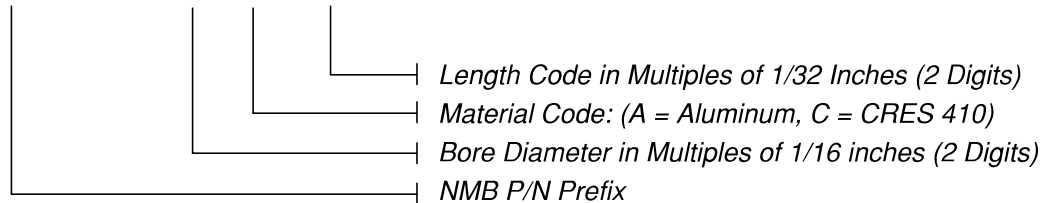
mm	6.35	7.14	7.94	8.73	9.52	11.11	12.70	14.29	15.88	17.46	19.05	22.22	25.40	28.58	31.75	34.92	38.10	41.28	44.45	47.62	50.80	53.98	57.15	60.32	63.50	69.85	76.20
Bore Code	1/4	9/32	5/16	11/32	3/8	7/16	1/2	9/16	5/8	11/16	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/8	2 1/4	2 3/8	2 1/2	2 3/4	3

04	08	09	10	11	12	14																							
05	08	09	10	11	12	14	16	18																					
06	08	09	10	11	12	14	16	18	20	22																			
07	08	09	10	11	12	14	16	18	20	22	24	28																	
08	08	09	10	11	12	14	16	18	20	22	24	28																	
09	08	09	10	11	12	14	16	18	20	22	24	28	32	36															
10	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44													
11	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52											
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20					12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68							
22					12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68							
24					12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88			
26							16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88			
28							16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88	96		
32							16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88	96		



****MS P/N MS21240 - XX X XXX**

NMB P/N AJ XX X XX





AJF-A, AJF-C

Journal, Flanged - Teflon Lined
 **MS21241

Temperature: Operating temperature range -65° to 250°F.
 (-54° to 121°C)

Concentricity tolerance between B and D diameters shall not exceed .003" (0.08mm) FIM

MATERIALS

Material Code	Journal	Liner
AJF-A	Aluminum Alloy AMS-QQ-A-225/9 or AMS-QQ-A-200/11. Finish Anodized per MIL-A-8625,	*Teflon/Fabric Bonded to bore and flange face. No lub. required.
AJF-C	CRES 410 H.T. to 27-32 HRC	*Teflon/Fabric Bonded to bore and flange face. No lub. required.

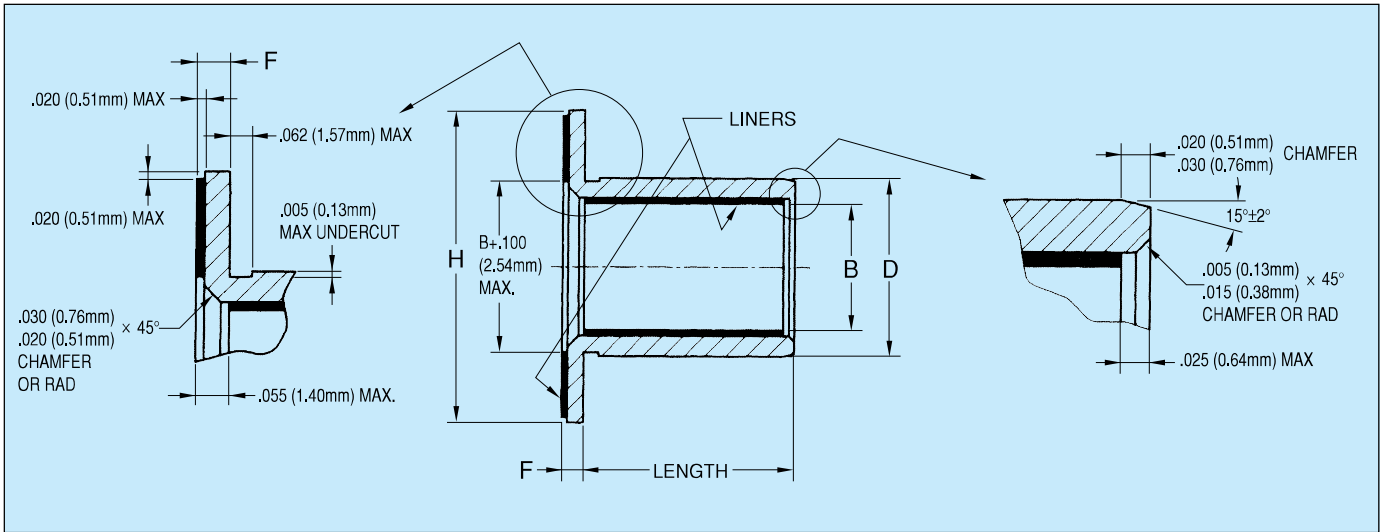
NMB Part Number	(B) Bore Diameter		(D) Outside Diameter				(H) Flange Diameter		(F) Flange Thickness		Sleeve Weight Lbs./In. (Ref.) L = 1,000 (25,4mm)				Flange Weight Lbs. (Ref.)			
	Inch	mm	ALUM.		CRES		Inch	mm	Inch	mm	ALUM.		CRES		ALUM.		CRES	
MS21241 Flanged	+0.000	+0.000	+0.005	+0.013	+0.000	+0.000	+0.00	+0.000	+0.00	+0.000								
	-0.010	-0.025	-0.005	-0.013	-0.005	-0.013	-0.020	-0.508	-0.005	-0.127								
AJF04	.2515	6.388	.3760	9.550	.3760	9.550	.750	19.050	.0625	1.588	.009	0.16	.024	0.43	.003	0.05	.007	0.12
AJF05	.3140	7.976	.4386	11.140	.4386	11.140	.812	20.625	.0625	1.588	.011	0.20	.028	0.50	.003	0.05	.007	0.12
AJF06	.3765	9.563	.5012	12.730	.5012	12.730	.875	22.225	.0625	1.588	.012	0.21	.032	0.57	.003	0.05	.007	0.12
AJF07	.4390	11.151	.5638	14.321	.5638	14.321	.937	23.800	.0625	1.588	.013	0.23	.036	0.64	.003	0.05	.008	0.14
AJF08	.5015	12.738	.6265	15.913	.6265	15.913	1.000	25.400	.0625	1.588	.015	0.27	.041	0.73	.004	0.07	.010	0.18
AJF09	.5640	12.326	.6892	17.506	.6892	17.506	1.125	28.575	.0625	1.588	.017	0.30	.047	0.84	.004	0.07	.011	0.20
AJF10	.6265	15.913	.8142	20.681	.8142	20.681	1.250	31.750	.0625	1.588	.027	0.48	.075	1.34	.005	0.09	.011	0.25
AJF11	.6890	17.501	.8767	22.268	.8767	22.268	1.375	34.925	.0625	1.588	.030	0.54	.084	1.50	.007	0.12	.020	0.36
AJF12	.7515	19.088	.9393	23.858	.9393	23.858	1.500	38.100	.0625	1.588	.034	0.61	.093	1.66	.009	0.16	.023	0.41
AJF14	.8765	22.263	1.0645	27.038	1.0645	27.038	1.625	41.275	.0625	1.588	.038	0.68	.104	1.86	.009	0.16	.025	0.45
AJF16	1.0015	25.438	1.1898	30.221	1.1898	30.221	1.750	44.450	.0625	1.588	.043	0.77	.118	2.11	.010	0.18	.027	0.48
AJF18	1.1265	28.613	1.3148	33.396	1.3148	33.396	1.875	47.625	.0937	2.380	.051	0.91	.142	2.54	.014	0.25	.041	0.73
AJF20	1.2515	31.788	1.4398	36.571	1.4398	36.571	2.000	50.800	.0937	2.380	.058	1.04	.161	2.88	.018	0.32	.050	0.89
AJF22	1.3765	34.963	1.5648	39.746	1.5648	39.746	2.125	53.975	.0937	2.380	.063	1.13	.175	3.13	.019	0.34	.053	0.95
AJF24	1.5015	38.138	1.7523	44.508	1.7523	44.508	2.250	57.150	.0937	2.380	.081	1.45	.233	4.16	.019	0.34	.054	0.96
AJF26	1.6265	41.313	1.8773	47.638	1.8773	47.683	2.375	60.325	.0937	2.380	.090	1.61	.249	4.45	.020	0.36	.056	1.00
AJF28	1.7515	44.488	2.0023	50.858	2.0023	50.858	2.500	63.500	.0937	2.380	.099	1.77	.272	4.86	.023	0.41	.064	1.14
AJF32	2.0015	50.838	2.2523	57.208	2.2523	57.206	2.750	69.850	.0937	2.380	.111	1.98	.306	5.46	.026	0.46	.072	1.29

Shaft and Housing Information

For optimum performance with lined journal bearings, considerable care must be exercised in the design of housings and shafts. For extreme applications involving dissimilar materials, elevated temperatures, or extreme loads, contact NMB Engineering for application recommendations. The adjacent table applies to normal conditions.

	Shaft	Housing
Diameter	B -.0010" (0.025mm) to -.0020" (0.051mm)	D -.0006" (0.015mm) to -.0011" (0.028mm)
Taper and Roundness	Not to exceed .0005" (0.013mm)	Not to exceed .0005" (0.013mm)
Finish	8 RHR(0.2µmRa) Polished or honed after grind	
Hardness	50 HRC MIN	

* A trademark of E.I. duPont de Nemours & Co., Inc.
 ** MIL-B-8943 (MS21241) was superseded to AS81934/2

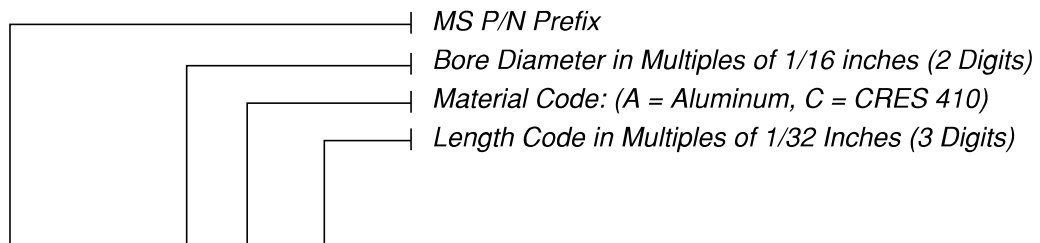


**LENGTH (Tolerance + .000,-.010)
(+0.00, -0.25mm)**

mm	6.35	7.14	7.94	8.73	9.52	11.11	12.70	14.29	15.88	17.46	19.05	22.22	25.40	28.58	31.75	34.92	38.10	41.28	44.45	47.62	50.80	53.98	57.14	60.32	63.05	69.85	76.20
Bore Code	1/4	5/32	3/16	11/32	3/8	7/16	1/2	9/16	5/8	11/16	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/8	2 1/4	2 3/8	2 1/2	2 3/4	3

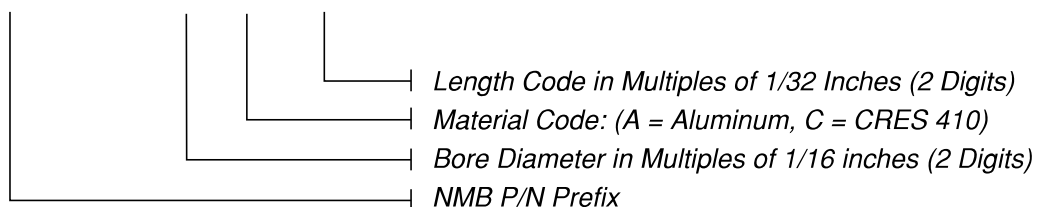
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18		10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60										
20				12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68								
22				12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68								
24				12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88				
26					16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88	96				
28					16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88	96				
32					16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88	96				

ADIFOR AERO



****MS P/N MS21241 - XX X XXX**

NMB P/N AJ XX X XX





AHJ-A, AHJ-C

Journal, Plain - Teflon Lined
AS81934/1

Static limit load: Alum., 50000 psi × B(L - .10) = lbs.
Alum., 344N/mm² × B(L - 2.54) = N (N);
CRES, 78500 psi × B(L - .10) = lbs.
CRES, 541 N/mm² × B(L - 2.54) = N (N)

Dynamic Capacity: 37500 × B (L - .10) = lbs.
Temperature: Operating temperature range -65° to 325°F.
(-54° to 163°)

Concentricity tolerance between B and D diameters shall not exceed .003" (0.08mm) FIM

Bearings listed in table are approved for procurement to AS81934 and M81934/1.

MATERIALS

Materials Code	Journal	Liner
AHJ-A	Aluminum Alloy 2024 T851 or 2024-T8511 per AMS-QQ-A-225/6 or AMS-QQ-A 200/3. Finish Anodized per MIL-A-8625, Type I or II or Alodined per MIL-C-5541	*Teflon/Fabric Bonded to bore no lub. required.
AHJ-C	CRES 17-4PH/AMS 5643 H.T. to Condition H-1150 Passivated	*Teflon/Fabric Bonded to bore no lub. required.

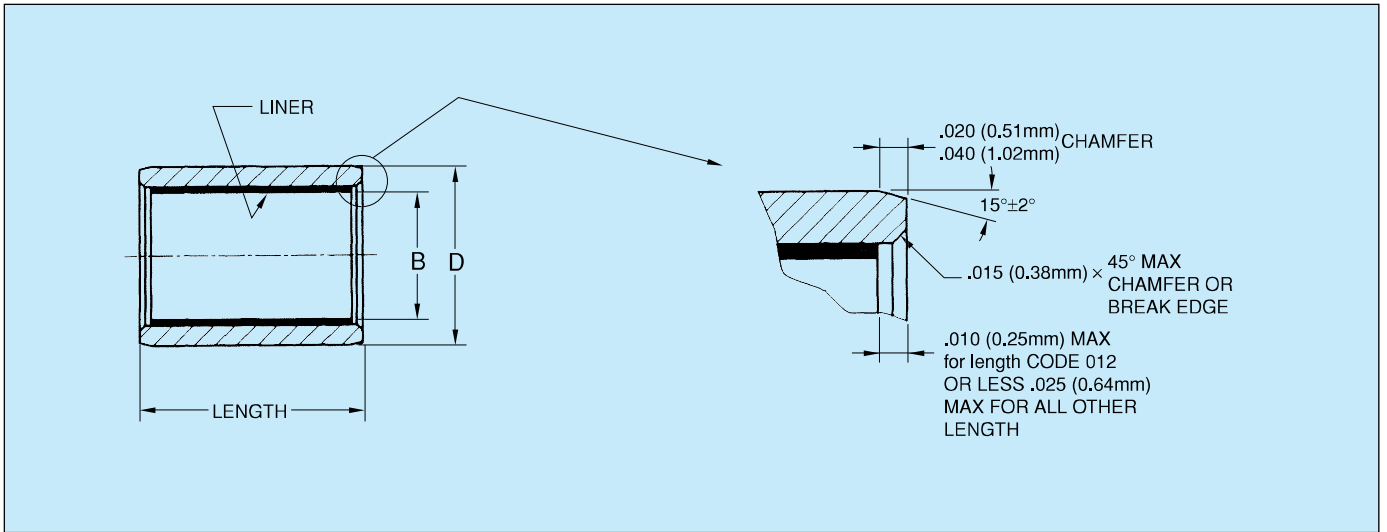
NMB Part Number	(B) Bore Diameter		(D) Outside Diameter				Weight Lbs./In. (Ref.) L = 1,000 (25.4mm)			
			ALUM.		CRES		ALUM.		CRES	
	Inch	mm	Inch	mm	Inch	mm	lb/in	g/mm	lb/in	g/mm
M81934/1	+0.0000	+0.000	+0.0005	+0.013	+0.0000	+0.000				
Plain	-.0010	-0.025	-.0005	-0.013	-.0005	-0.013				
AHJ04	.2515	6.388	.3760	9.550	.3760	9.550	.006	0.11	.016	0.29
AHJ05	.3140	7.976	.4386	11.140	.4386	11.140	.007	0.12	.019	0.34
AHJ06	.3765	9.563	.5012	12.730	.5012	12.730	.008	0.14	.022	0.39
AHJ07	.4390	11.151	.5638	14.321	.5638	14.321	.009	0.16	.025	0.45
AHJ08	.5015	12.738	.6265	15.913	.6265	15.913	.011	0.20	.028	0.50
AHJ09	.5640	14.326	.6892	17.506	.6892	17.506	.012	0.21	.031	0.55
AHJ10	.6265	15.913	.8142	20.681	.8142	20.681	.021	0.38	.056	1.00
AHJ11	.6890	17.501	.8767	22.268	.8767	22.268	.022	0.39	.060	1.07
AHJ12	.7515	19.088	.9393	23.858	.9393	23.858	.024	0.43	.065	1.16
AHJ14	.8765	22.263	1.0645	27.038	1.0645	27.038	.028	0.50	.075	1.34
AHJ16	1.0015	25.438	1.1898	30.221	1.1898	30.221	.031	0.55	.084	1.50
AHJ18	1.1265	28.613	1.3148	33.396	1.3148	33.396	.035	0.62	.094	1.68
AHJ20	1.2515	31.788	1.4398	36.571	1.4398	36.571	.038	0.68	.103	1.84
AHJ22	1.3765	34.963	1.5648	39.746	1.5648	39.746	.041	0.73	.113	2.02
AHJ24	1.5015	38.138	1.7523	44.508	1.7523	44.508	.062	1.11	.171	3.05
AHJ26	1.6265	41.313	1.8773	47.638	1.8773	47.638	.067	1.20	.183	3.27
AHJ28	1.7515	44.488	2.0023	50.858	2.0023	50.858	.071	1.27	.196	3.50
AHJ32	2.0015	50.838	2.2523	57.208	2.2523	57.208	.081	1.45	.222	3.96

Shaft and Housing Information

For optimum performance with lined journal bearings, considerable care must be exercised in the design of housings and shafts. For extreme applications involving dissimilar materials, elevated temperatures, or extreme loads, contact NMB Engineering for application recommendations. The adjacent table applies to normal conditions.

	Shaft	Housing
Diameter	B -.0010" (0.025mm) to -.0020" (0.051mm)	D -.0006" (0.015mm) to -.0011" (0.028mm)
Taper and Roundness	Not to exceed .0005" (0.013mm)	Not to exceed .0005" (0.013mm)
Finish	8 RHR (0.2µmRa) Polished or honed after grind	
Hardness	50 HRC MIN	

* A trademark of E.I., duPont de Nemours & Co., Inc.



**LENGTH (Tolerance + .000,-.010)
(+0.00, -0.25mm)**

mm	3.96	4.75	5.54	6.35	7.14	7.92	8.71	9.52	11.10	12.70	14.27	15.88	17.45	19.05	22.22	25.40	28.58	31.75	34.92	38.10	41.28	44.45	47.62	50.80	53.98	57.14	60.32	63.50	69.85	76.20
Bore Code	.156	.187	.218	.250	.281	.312	.343	.375	.437	.500	.562	.625	.687	.750	.875	1.000	1.125	1.250	1.375	1.500	1.625	1.750	1.875	2.000	2.125	2.250	2.395	2.500	2.750	3.000

04	005	006	007	008	009	010	011	012	014																						
05	005	006	007	008	009	010	011	012	014	016	018																				
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26										016	018	020	022	024	028	032	036	040	044	048	052	056	060	064	068	072	076	080	088	096	
28										016	018	020	022	024	028	032	036	040	044	048	052	056	060	064	068	072	076	080	088	096	
32										016	018	020	022	024	028	032	036	040	044	048	052	056	060	064	068	072	076	080	088	096	



AHJF-A, AHJF-C

Journal, Flanged - Teflon Lined
AS81934/2

Static limit load: Alum., $50000 \text{ psi} \times B(L + F - .13) = \text{lbs.}$
 Alum., $344 \text{ N/mm}^2 \times B(L + F - 3.30) = \text{N (N)};$
 CRES, $78500 \text{ psi} \times B(L + F - .13) = \text{lbs.}$
 CRES, $541 \text{ N/mm}^2 \times B(L + F - 3.30) = \text{N (N)}$

Dynamic Capacity: $37500 \times B(L + F - .13) = \text{lbs.}$

Temperature: Operating temperature range -65° to 325°F.
 (-54° to 163°)

Concentricity tolerance between B and D diameters shall not exceed .003 (0.08mm) FIM
 Bearings listed in table are approved for procurement to AS81934 and M81934/2.

MATERIALS

Materials Code	Journal	Liner
AHJF-A	Aluminum Alloy 2024 T851 or 2024-T8511 per AMS-QQ-A-225/6 or AMS-QQ-A 200/3. Finish Anodized per MIL-A-8625, Type I or II or Alodined per MIL-C-5541	*Teflon/Fabric Bonded to bore and flange face. No lub. required.
AHJF-C	CRES 17-4PH/AMS 5643 H.T. to Condition H-1150 Passivated	*Teflon/Fabric Bonded to bore and flange face. No lub. required.

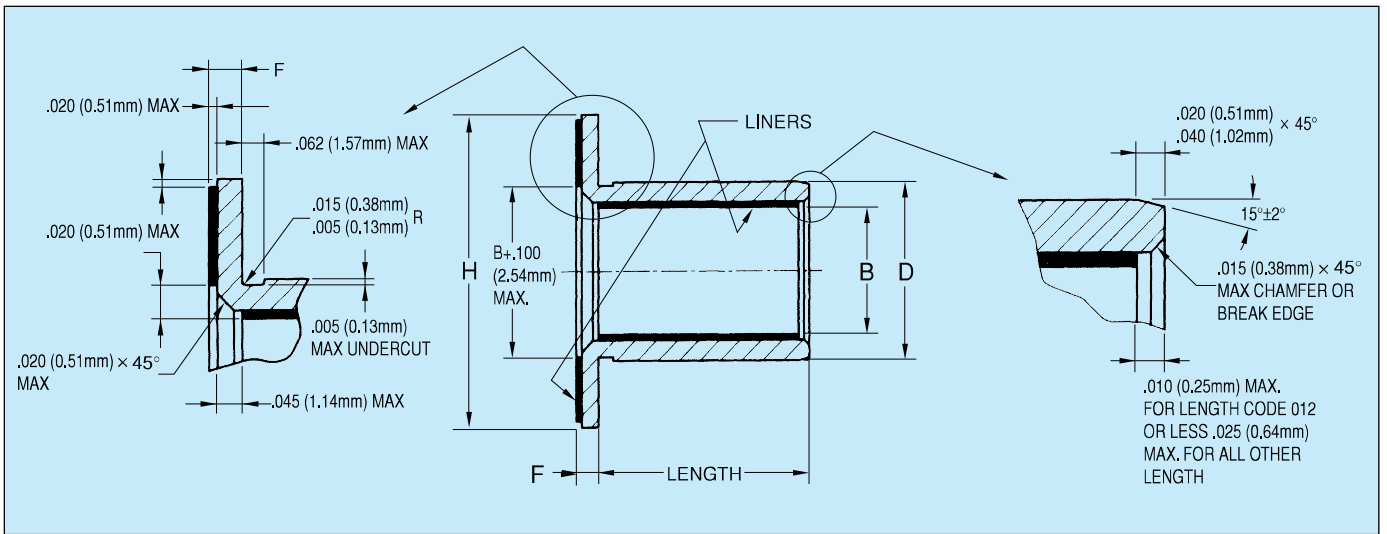
NMB Part Number	(B) Bore Diameter		(D) Outside Diameter				(H) Flange Diameter		(F) Flange Thickness		Sleeve Weight Lbs./In. (Ref.) L = 1.000 (25.4mm)				Flange Weight Lbs. (Ref.)			
	Inch	mm	ALUM.		CRES		Inch	mm	Inch	mm	ALUM.		CRES		ALUM.		CRES	
MIL-B-81934/2 Flanged	+0.000	+0.000	+0.005	+0.013	+0.000	+0.000	+0.00	+0.000	+0.00	+0.000								
	-0.010	-0.025	-0.005	-0.013	-0.005	-0.013	-0.020	-0.508	-0.005	-0.127								
AHJF04	.2515	6.388	.3760	9.550	.3760	9.550	.750	19.050	.0625	1.587	.006	0.11	.016	0.29	.002	0.04	.006	0.11
AHJF05	.3140	7.976	.4386	11.140	.4386	11.140	.812	20.625	.0625	1.588	.007	0.12	.019	0.34	.003	0.05	.007	0.12
AHJF06	.3765	9.563	.5012	12.730	.5012	12.730	.875	22.225	.0625	1.588	.008	0.14	.022	0.39	.003	0.05	.007	0.12
AHJF07	.4390	11.151	.5638	14.321	.5638	14.321	.937	22.800	.0625	1.588	.009	0.16	.025	0.45	.003	0.05	.008	0.14
AHJF08	.5015	12.738	.6265	15.913	.6265	15.913	1.000	25.400	.0625	1.588	.011	0.20	.028	0.50	.003	0.05	.009	0.16
AHJF09	.5640	14.326	.6892	17.506	.6892	17.506	1.125	28.575	.0625	1.588	.012	0.21	.031	0.55	.004	0.07	.011	0.20
AHJF10	.6265	15.913	.8142	20.681	.8142	20.681	1.250	31.750	.0625	1.588	.021	0.38	.056	1.00	.005	0.09	.014	0.25
AHJF11	.6890	17.501	.8767	22.268	.8767	22.268	1.375	34.925	.0625	1.588	.022	0.39	.060	1.07	.006	0.11	.016	0.29
AHJF12	.7515	19.088	.9393	23.858	.9393	23.858	1.500	38.100	.0625	1.588	.024	0.43	.065	1.16	.007	0.13	.020	0.36
AHJF14	.8765	22.263	1.0645	27.038	1.0645	27.038	1.625	41.275	.0625	1.588	.028	0.50	.075	1.34	.008	0.14	.022	0.39
AHJF16	1.0015	25.438	1.1898	30.221	1.1898	30.221	1.750	44.450	.0625	1.588	.031	0.55	.084	1.50	.009	0.16	.024	0.43
AHJF18	1.1265	28.613	1.3148	33.396	1.3148	33.396	1.875	47.625	.0937	2.380	.035	0.62	.094	1.68	.015	0.27	.041	0.73
AHJF20	1.2515	31.788	1.4398	36.571	1.4398	36.571	2.000	50.800	.0937	2.380	.038	0.68	.103	1.84	.016	0.29	.045	0.80
AHJF22	1.3765	34.963	1.5648	39.746	1.5648	39.746	2.125	53.975	.0937	2.380	.041	0.73	.113	2.02	.017	0.30	.048	0.86
AHJF24	1.5015	38.138	1.7523	44.508	1.7523	44.508	2.250	57.150	.0937	2.380	.062	1.11	.171	3.05	.018	0.32	.051	0.91
AHJF26	1.6265	41.313	1.8773	47.638	1.8773	47.638	2.375	60.325	.0937	2.380	.067	1.20	.183	3.27	.020	0.36	.055	0.98
AHJF28	1.7515	44.488	2.0023	50.858	2.0023	50.858	2.500	63.500	.0937	2.380	.071	1.27	.196	3.50	.021	0.38	.058	1.04
AHJF32	2.0015	50.838	2.2523	57.208	2.2523	57.208	2.750	69.850	.0937	2.380	.081	1.45	.222	3.96	.023	0.41	.065	1.16

Shaft and Housing Information

For optimum performance with lined journal bearings, considerable care must be exercised in the design of housings and shafts. For extreme applications involving dissimilar materials, elevated temperatures, or extreme loads, contact NMB Engineering for application recommendations. The adjacent table applies to normal conditions.

	Shaft	Housing
Diameter	B $-.0010$ (0.025mm) to $-.0020$ (0.051mm)	D $-.0006$ (0.015mm) to $-.0011$ (0.028mm)
Taper and Roundness	Not to exceed $.0005$ (0.013mm)	Not to exceed $.0005$ (0.013mm)
Finish	8 RHR MAX (0.2µmRa MAX) Polished or honed after grind	
Hardness	50 HRC MIN	

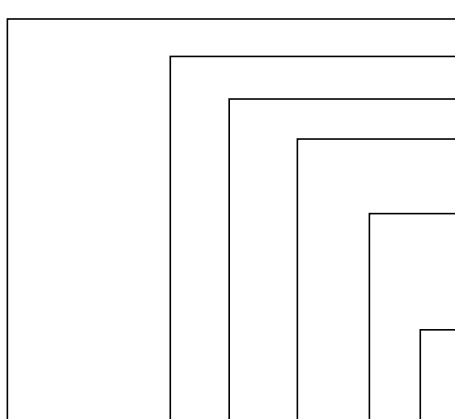
* A trademark of E.I. duPont de Nemours & Co., Inc.



**LENGTH (Tolerance + .000,-.010)
(+0.00, -0.25mm)**

mm	3.96	4.75	5.54	6.35	7.14	7.92	8.71	9.52	11.10	12.70	14.27	15.88	17.45	19.05	22.22	25.40	28.58	31.75	34.92	38.10	41.28	44.45	47.62	50.80	53.98	57.14	60.32	63.50	69.85	76.20
Bore Code	.156	.187	.218	.250	.281	.312	.343	.375	.437	.500	.562	.625	.687	.750	.875	1.000	1.125	1.250	1.375	1.500	1.625	1.750	1.875	2.000	2.125	2.250	2.395	2.500	2.750	3.000

04	005	006	007	008	009	010	011	012	014																							
05	005	006	007	008	009	010	011	012	014	016	018																					
06	005	006	007	008	009	010	011	012	014	016	018	020	022																			
07	005	006	007	008	009	010	011	012	014	016	018	020	022	024	028																	
08	005	006	007	008	009	010	011	012	014	016	018	020	022	024	028																	
09	005	006	007	008	009	010	011	012	014	016	018	020	022	024	028	032	036															
10	005	006	007	008	009	010	011	012	014	016	018	020	022	024	028	032	036	040	044													
11				008	009	010	011	012	014	016	018	020	022	024	028	032	036	040	044	048	052											
12				008	009	010	011	012	014	016	018	020	022	024	028	032	036	040	044	048	052											
14				008	009	010	011	012	014	016	018	020	022	024	028	032	036	040	044	048	052											
16				008	009	010	011	012	014	016	018	020	022	024	028	032	036	040	044	048	052	056	060									
18					010	011	012	014	016	018	020	022	024	028	032	036	040	044	048	052	056	060										
20								012	014	016	018	020	022	024	028	032	036	040	044	048	052	056	060	064	068							
22								012	014	016	018	020	022	024	028	032	036	040	044	048	052	056	060	064	068							
24								012	014	016	018	020	022	024	028	032	036	040	044	048	052	056	060	064	068	072	076	080	088			
26										016	018	020	022	024	028	032	036	040	044	048	052	056	060	064	068	072	076	080	088	096		
28										016	018	020	022	024	028	032	036	040	044	048	052	056	060	064	068	072	076	080	088	096		
32										016	018	020	022	024	028	032	036	040	044	048	052	056	060	064	068	072	076	080	088	096		



MS P/N Prefix
 Bore Diameter in Multiples of 1/16 Inches (2 Digits)
 Material Code (A = Aluminum, C = CRES 17-4PH)
 Length Code (3 Digits)
 Letter "P" Indicates Optional Cad Plating Per AMS-QQ-P-416
 For CRES 17-4PH Sleeve Bearing
 No Letter Indicates and Passivated for CRES
 Outer Diameter Code
 T = .010" (0.25mm) Oversize ØD (For Repair Only)
 U = .020" (0.51mm) Oversize ØD (For Repair Only)

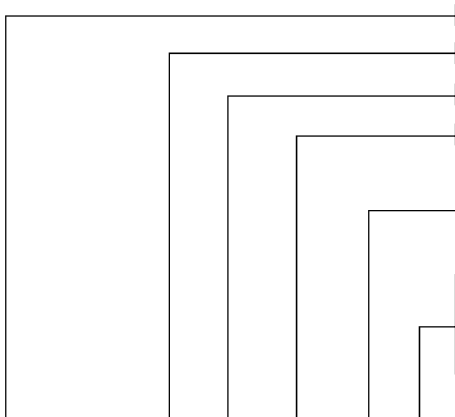
MS P/N M81934/1 - XX X XXX X X

NMB P/N AHJ XX X XXX X X



Outer Diameter Code
 R1 = .010" (0.25mm) Oversize ØD (For Repair Only)
 R2 = .020" (0.51mm) Oversize ØD (For Repair Only)
 Letter "P" Indicates Optional Cad Plating Per AMS-QQ-P-416
 For CRES 17-4PH Sleeve Bearing
 No Letter Indicates No Plating
 Length Code (3 Digits)
 Material Code: (A = Aluminum, C = CRES 17-4PH)
 Bore Diameter in Multiples of 1/16 Inches (2 Digits)
 NMB P/N Prefix

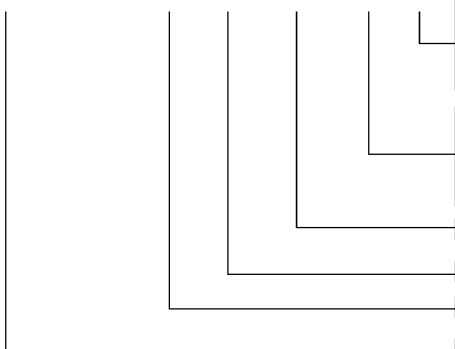
ADIFOR AERO



MS P/N Prefix
 Bore Diameter in Multiples of 1/16 Inches (2 Digits)
 Material Code (A = Aluminum, C = CRES 17-4PH)
 Length Code (3 Digits)
 Letter "P" Indicates Optional Cad Plating Per AMS-QQ-P-416
 For CRES 17-4PH Sleeve Bearing
 No Letter Indicates No Plating
 Outer Diameter Code
 T = .010" (0.25mm) Oversize ØD (For Repair Only)
 U = .020" (0.51mm) Oversize ØD (For Repair Only)

MS P/N M81934/2 - XX X XXX X X

NMB P/N AHJF XX X XXX X X



Outer Diameter Code
 R1 = .010 (0.25mm) Oversize ØD (For Repair Only)
 R2 = .020" (0.51mm) Oversize ØD (For Repair Only)
 Letter "P" Indicates Optional Cad Plating Per AMS-QQ-P-416
 For CRES 17-4PH Sleeve Bearing
 No Letter Indicates No Plating
 Length Code (3 Digits)
 Material Code: (A = Aluminum, C = CRES 17-4PH)
 Bore Diameter in Multiples of 1/16 Inches (2 Digits)
 NMB P/N Prefix

OVERSIZE BEARING DIMENSIONS (OUTSIDE DIMENSION)

M81934/1, M81934/2

DASH No	Nominal Bore Size	1st Oversize (.010) ØD	2nd Oversize (.020) ØD
-04	.2500 (6.350mm)	.3860 (9.804mm)	.3960 (10.058mm)
-05	.3125 (7.938mm)	.4486 (11.394mm)	.4586 (11.648mm)
-06	.3750 (9.525mm)	.5112 (12.984mm)	.5212 (13.238mm)
-07	.4375 (11.112mm)	.5738 (14.575mm)	.5838 (14.829mm)
-08	.5000 (12.700mm)	.6365 (16.167mm)	.6465 (16.421mm)
-09	.5625 (14.288mm)	.6992 (17.760mm)	.7092 (18.014mm)
-10	.6250 (15.875mm)	.8242 (20.935mm)	.8342 (21.189mm)
-11	.6875 (17.462mm)	.8867 (22.522mm)	.8967 (22.776mm)
-12	.7500 (19.050mm)	.9493 (24.112mm)	.9593 (24.366mm)
-14	.8750 (22.225mm)	1.0745 (27.292mm)	1.0845 (27.546mm)
-16	1.0000 (25.400mm)	1.1998 (30.475mm)	1.2098 (30.729mm)
-18	1.1250 (28.575mm)	1.3248 (33.650mm)	1.3348 (33.904mm)
-20	1.2500 (31.750mm)	1.4498 (36.825mm)	1.4598 (37.079mm)
-22	1.3750 (34.925mm)	1.5748 (40.000mm)	1.5848 (40.254mm)
-24	1.5000 (38.100mm)	1.7623 (44.762mm)	1.7723 (45.016mm)
-26	1.6250 (41.275mm)	1.8873 (47.937mm)	1.8973 (48.191mm)
-28	1.7500 (44.450mm)	2.0123 (51.112mm)	2.0223 (51.366mm)
-32	2.0000 (50.800mm)	2.2623 (57.462mm)	2.2723 (57.716mm)

Specification Compliance

Plating, Coating, and Surface Treatment	
Alodine Anodize (Chromic) Anodize (Sulphuric) Anodize (Hard)	MIL-C-5541 MIL-A-8625 Type I Class I MIL-A-8625 Type II Class I MIL-A-8625 Type III Class I
Cadmium Cadmium (Supplementary Chromate Treatment) Cadmium (Vacuum Deposited)	AMS-QQ-P-416 Type I Class 3 (Races) AMS-QQ-P-416 Type II Class 2 (Bodies) MIL-C-8837
Chromium Chromium Nickel (Electroless) Nickel (Electrodeposited)	AMS-QQ-C-320 Class 2 (.0002" to .0005" thickness) AMS2406 MIL-C-26074 QQ-N-290
Passivate Silver Zinc (Chromate Primer)	AMS 2700 AMS 2410 TT-P-1757 and MIL-P-8585
Heat Treatment	
Steel, Alloy and Stainless Aluminum Beryllium Copper	AMS-H-6875 AMS2759 AMS-H-6088 AMS-H-7199
Non-Destructive Testing	
Fluorescent Penetrant Magnetic Particle Ultrasonic	ASTM E1417 ASTM E1444 MIL-I-8950
Quality Control	
Quality Program Requirements Inspection System Requirements Calibration System Requirements Sampling Procedures and Tables for Inspection by Attributes	MIL-Q-9858 MIL-I-45208 MIL-C-45662 ANSI/ASQC Z1.4
Machining	
Threads, Rolled or Turned	AS-8879 and MIL-S-7742
Marking and Packaging	
Commercial Packaging Military Packaging Marking Preservation	MIL-STD-1188 MIL-STD-129 MIL-STD-130 MIL-P-116

INCH/METRIC CONVERSION FACTORS

INCH			INCH			INCH			INCH		
FRACT.	DECIMAL	mm	FRACT.	DECIMAL	mm	FRACT.	DECIMAL	mm	FRACT.	DECIMAL	mm
	.00004	0.001	¹⁷ / ₆₄	.2656	6.747		.6693	17.000		1.3780	35.000
	.0004	0.010		.2756	7.000	⁴³ / ₆₄	.6719	17.066		1.4173	36.000
	.0010	0.025	⁹ / ₃₂	.2812	7.142	¹¹ / ₁₆	.6875	17.462	¹ / ₂	1.5000	38.100
	.0020	0.051	¹⁹ / ₆₄	.2969	7.541	⁴⁵ / ₆₄	.7031	17.859		1.5354	39.000
	.0030	0.076	⁵ / ₁₆	.3125	7.938		.7086	18.000		1.5748	40.000
	.0039	0.100		.3150	8.000	²³ / ₃₂	.7187	18.255		1.6535	42.000
	.0050	0.127	²¹ / ₆₄	.3281	8.334	⁴⁷ / ₆₄	.7344	18.654	¹ / ₄	1.7500	44.450
	.0098	0.250	¹¹ / ₃₂	.3438	8.733		.7480	19.000		1.7717	45.000
	.0100	0.254		.3543	9.000	³ / ₄	.7500	19.050		1.8898	48.000
¹ / ₆₄	.0156	0.396	²³ / ₆₄	.3594	9.129	⁴⁹ / ₆₄	.7656	19.445		1.9685	50.000
¹ / ₃₂	.0312	0.793	³ / ₈	.3750	9.525	²⁵ / ₃₂	.7812	19.842	2	2.000	50.800
	.0394	1.000	²⁵ / ₆₄	.3906	9.921		.7874	20.000		2.0472	52.000
³ / ₆₄	.0469	1.191		.3937	10.000	⁵¹ / ₆₄	.7969	20.241		2.1654	55.000
	.0591	1.500	¹³ / ₃₂	.4062	10.317	¹³ / ₁₆	.8125	20.638		2.2047	56.000
¹ / ₁₆	.0625	1.588	²⁷ / ₆₄	.4219	10.716		.8268	21.000	² / ₄	2.2500	57.150
⁵ / ₆₄	.0781	1.984		.4331	11.000	⁵³ / ₆₄	.8281	21.034		2.3622	60.000
	.0787	2.000	⁷ / ₁₆	.4375	11.112	²⁷ / ₃₂	.8437	21.430	² / ₂	2.5000	63.500
³ / ₃₂	.0937	2.380	²⁹ / ₆₄	.4531	11.509	⁵⁵ / ₆₄	.8594	21.829		2.5197	64.000
	.0984	2.500	¹⁵ / ₃₂	.4687	11.905		.8661	22.000	² / ₄	2.7500	69.850
	.1000	2.540		.4724	12.000	⁷ / ₈	.8750	22.225		2.8346	72.000
⁷ / ₆₄	.1094	2.779	³¹ / ₆₄	.4844	12.304	⁵⁷ / ₆₄	.8906	22.621		2.9528	75.000
	.1181	3.000	¹ / ₂	.5000	12.700		.9055	23.000	3	3.0000	76.200
¹ / ₈	.1250	3.175		.5118	13.000	²⁹ / ₃₂	.9062	23.017		3.1496	80.000
	.1378	3.500	³³ / ₆₄	.5156	13.096	⁵⁹ / ₆₄	.9219	23.416	³ / ₄	3.2500	82.550
⁹ / ₆₄	.1406	3.571	¹⁷ / ₃₂	.5312	13.492	¹⁵ / ₁₆	.9375	23.812	³ / ₂	3.5000	88.900
⁵ / ₃₂	.1562	3.967	³⁵ / ₆₄	.5469	13.891		.9449	24.000		3.5433	90.000
	.1575	4.000		.5512	14.000	⁶¹ / ₆₄	.9531	24.209	³ / ₄	3.7500	95.250
¹¹ / ₆₄	.1719	4.366	⁹ / ₁₆	.5625	14.288	³¹ / ₃₂	.9687	24.605		3.9370	100.000
	.1772	4.500	³⁷ / ₆₄	.5781	14.684		.9843	25.000	4	4.0000	101.600
³ / ₁₆	.1875	4.762		.5906	15.000	⁶³ / ₆₄	.9844	25.004	⁴ / ₄	4.2500	107.950
	.1969	5.000	¹⁹ / ₃₂	.5937	15.080	1	1.0000	25.400		4.3307	110.000
¹³ / ₆₄	.2031	5.159	³⁹ / ₆₄	.6094	15.479		1.0630	27.000	⁴ / ₂	4.5000	114.300
⁷ / ₃₂	.2188	5.558	⁵ / ₈	.6250	15.875		1.1024	28.000		4.7244	120.000
¹⁵ / ₆₄	.2344	5.954		.6299	16.000		1.1811	30.000	⁴ / ₄	4.7500	120.650
	.2362	6.000	⁴¹ / ₆₄	.6406	16.271	¹ / ₄	1.2500	31.750	5.	5.0000	127.000
¹ / ₄	.2500	6.350	²¹ / ₃₂	.6562	16.667		1.2992	33.000	⁵ / ₂	5.5000	139.700

INCH/METRIC CONVERSION FACTORS

inches × 25.4 = Millimeters

Millimeters × 0.03937 = Inches

Sq. Inches × 6.4515 = Sq. Centimeters

Sq. Centimeters × 0.155 = Sq. inches

Pounds × 0.4536 = Kilograms

Kilograms × 2.2046 = Pounds

Lbs. Per In.² × 0.689 = N per cm²

N per cm² × 1.45 = Lbs. Per In.²

Pounds (Force) × 4.448 = Newtons

Newtons × 0.2248 = Pounds (Force)

Temperatuer Conversion (Approximate)

Degrees C = (Degrees F-32) (.5556)

Degress F = (Degrees C) (1.8) +32

