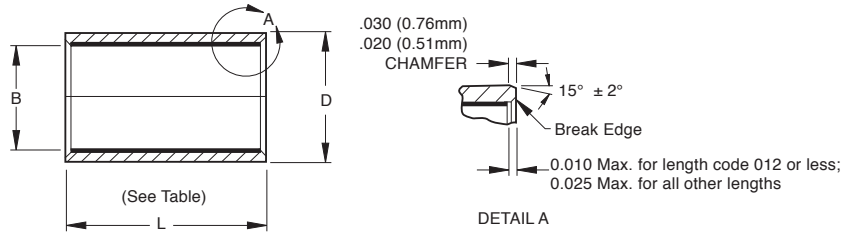


M81934/1 ALUMINUM SELF-LUBRICATED STRAIGHT JOURNAL BEARING

AS81934 (formerly MIL-B-81934)

- Journal type
- High temperature — low wear
-65°F to +325°F (-53.9°C to +162.8°C)
- Material and notes: Aluminum alloy, Cond. T8511 anodized or chemical-film treated
Liner: Fibriloid® or “E” Uniflon® qualified to AS81934



SPECIFICATIONS AND ORDERING INFORMATION

DIMENSIONS — TOLERANCES

PBE(JA) Dash No.	Part Numbers Aluminum		Nominal Size	B		D		Weight L = 1.000 in. L = 25.4 mm Ref.		
	06-382 Dash No.	M81934/1(JA) Dash No.		+ .000, - .0010 + .000, -.25	±.0005 ±.013	lbs.-in	kg.-mm			
			in.	mm	in.	mm	in.	mm		
04	-04	-04 [†]	1/4	6.350	.2515	6.388	.3760	9.550	.006	.003
05	-05	-05 [†]	5/16	7.938	.3140	7.976	.4386	11.140	.008	.004
06	-06	-06 [†]	3/8	9.525	.3765	9.563	.5012	12.730	.009	.004
07	-07	-07 [†]	7/16	11.112	.4390	11.151	.5638	14.321	.010	.005
08	-08	-08 [†]	1/2	12.700	.5015	12.738	.6265	15.913	.011	.005
09	-09	-09 [†]	9/16	14.288	.5640	14.326	.6892	17.506	.013	.006
10	-10	-10 [†]	5/8	15.875	.6265	15.913	.8142	20.681	.022	.010
11	-11	-11 [†]	11/16	17.462	.6890	17.501	.8767	22.268	.023	.010
12	-12	-12 [†]	3/4	19.050	.7515	19.088	.9393	23.858	.025	.011
14	-14	-14 [†]	7/8	22.225	.8765	22.263	1.0645	27.038	.029	.013
16	-16	-16 [†]	1	25.400	1.0015	25.438	1.1898	38.221	.033	.015
18	-18	-18 [†]	1 1/8	28.575	1.1265	28.613	1.3148	33.396	.037	.017
20	-20	-20 [†]	1 1/4	31.750	1.2515	31.788	1.4398	38.571	.040	.018
22	-22	-22 [†]	1 3/8	34.925	1.3765	34.963	1.5648	39.746	.044	.020
24	-24	-24 [†]	1 1/2	38.100	1.5015	38.138	1.7523	44.508	.065	.029
26	-26	-26 [†]	1 5/8	41.275	1.6265	41.313	1.8773	47.683	.070	.032
28	-28	-28 [†]	1 3/4	44.450	1.7515	44.488	2.0023	50.858	.075	.034
32	-32	-32 [†]	2	50.800	2.0015	50.838	2.2523	57.208	.085	.039

Add length designation in 1/32 in. increments. (See below.) [†]Add length designation.

LENGTH DESIGNATORS

Part Number	Length: + .000, -.010 in./ +.00, -.25mm																											
	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	
PBE(JA) Dash No.	06-382 Dash No.	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
04	-04	08	09	10	11	12	14																					
05	-05	08	09	10	11	12	14	16	18																			
06	-06	08	09	10	11	12	14	16	18	20	22																	
07	-07	08	09	10	11	12	14	16	18	20	22	24	28															
08	-08	08	09	10	11	12	14	16	18	20	22	24	28															
09	-09	08	09	10	11	12	14	16	18	20	22	24	28	32	36													
10	-10	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44											
11	-11	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52									
12	-12	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52									
14	-14	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52									
16	-16	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60							
18	-18			10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60							
20	-20					12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68					
22	-22					12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68					
24	-24					12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88	
26	-26							16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88	96
28	-28							16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88	96
32	-32							16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88	96

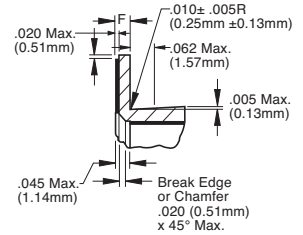
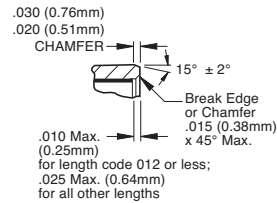
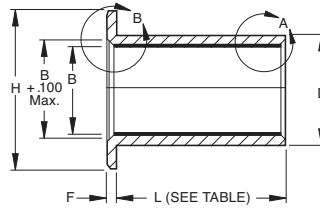
Bearing configuration	Part number designations for a 0.250 in. bore and 0.250 in. long aluminum journal bearing			
Base P/N (no options)	06-382-04008	PBE04A08	M81934/1-04A008	
1st oversize O.D. (0.010 in.)	06-382-04008T	PBE04A08Q	M81934/1-04A008T	

©2008, 2011, 2016 RBC Bearings Incorporated. All rights reserved.

M81934/2 ALUMINUM SELF-LUBRICATED FLANGED JOURNAL BEARING

AS81934/2 (formerly MIL-B-81934)

- Flanged journal type
- High temperature — low wear
-65°F to +325°F (-53.9°C to +162.8°C)
- Material: Aluminum alloy, Cond. T8511 anodized or chemical-film treated
Liner: Fibriloid® or “E” Uniflon® qualified to AS81934



SPECIFICATIONS AND ORDERING INFORMATION

DIMENSIONS – TOLERANCES

FBE(JA) Dash No.	Part Numbers Aluminum		Nominal Size		B		D		F		H		Aluminum Journal Weight L = 1.000 in. L = 25.4 mm Ref.		Flange Weight	
	07-382 Dash No.	M81934/2(JA) Dash No.	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.-in	kg-mm	lbs.-in	kg-mm
04	-04	-04 [†]	1/4	6.350	.2515	6.388	.3760	9.550	.0625	1.588	.750	19.05	.009	.004	.003	.001
05	-05	-05 [†]	5/16	7.938	.3140	7.976	.4386	11.140	.0625	1.588	.812	20.62	.011	.005	.003	.001
06	-06	-06 [†]	3/8	9.525	.3765	9.563	.5012	12.730	.0625	1.588	.875	22.22	.012	.005	.003	.001
07	-07	-07 [†]	7/16	11.112	.4390	11.151	.5638	14.321	.0625	1.588	.937	23.80	.013	.006	.003	.001
08	-08	-08 [†]	1/2	12.700	.5015	12.738	.6265	15.913	.0625	1.588	1.000	25.40	.015	.007	.004	.002
09	-09	-09 [†]	9/16	14.288	.5640	14.326	.6892	17.506	.0625	1.588	1.125	28.58	.017	.008	.004	.002
10	-10	-10 [†]	5/8	15.875	.6265	15.913	.8142	20.681	.0625	1.588	1.250	31.75	.027	.012	.005	.002
11	-11	-11 [†]	11/16	17.462	.6890	17.501	.8767	22.268	.0625	1.588	1.375	34.92	.030	.014	.007	.003
12	-12	-12 [†]	3/4	19.050	.7515	19.088	.9393	23.858	.0625	1.588	1.500	38.10	.034	.015	.009	.004
14	-14	-14 [†]	7/8	22.225	.8765	22.263	1.0645	27.038	.0625	1.588	1.625	41.28	.038	.017	.009	.004
16	-16	-16 [†]	1	25.400	1.0015	25.438	1.1898	30.221	.0625	1.588	1.750	44.45	.043	.020	.010	.005
18	-18	-18 [†]	1 1/8	28.575	1.1265	28.613	1.3148	33.396	.0937	2.380	1.875	47.62	.051	.023	.014	.006
20	-20	-20 [†]	1 1/4	31.750	1.2515	31.788	1.4398	36.571	.0937	2.380	2.000	50.80	.058	.026	.018	.008
22	-22	-22 [†]	1 3/8	34.925	1.3765	34.963	1.5648	39.746	.0937	2.380	2.125	53.98	.063	.029	.019	.009
24	-24	-24 [†]	1 1/2	38.100	1.5015	38.138	1.7523	44.508	.0937	2.380	2.250	57.15	.084	.038	.018	.008
26	-26	-26 [†]	1 5/8	41.275	1.6265	41.313	1.8773	47.683	.0937	2.380	2.375	60.32	.090	.041	.020	.009
28	-28	-28 [†]	1 3/4	44.450	1.7515	44.488	2.0023	50.858	.0937	2.380	2.500	63.50	.098	.044	.023	.010
32	-32	-32 [†]	2	50.800	2.0015	50.838	2.2523	57.208	.0937	2.380	2.750	69.85	.111	.050	.026	.012

Add length designation in 1/32 in. increments. (See below.) [†]Add length designation.

LENGTH DESIGNATORS

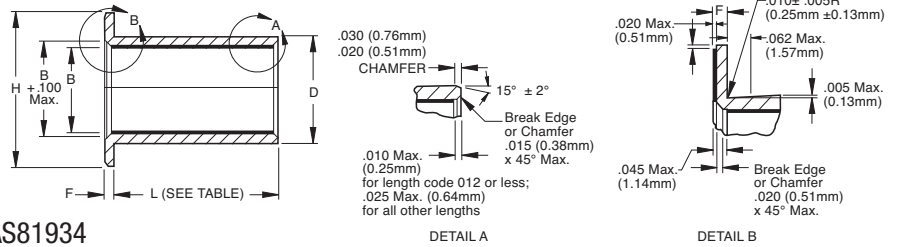
Part Number	Length: + .000, -.010 in./ +0.0, -25mm																													
FBE(JA) Dash No.	07-382 Dash No.	1/4	9/32	5/16	11/32	3/8	7/16	1/2	9/16	5/8	11/16	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/8	2 1/4	2 3/8	2 1/2	2 3/4	3		
04	-04	08	09	10	11	12	14																							
05	-05	08	09	10	11	12	14	16	18																					
06	-06	08	09	10	11	12	14	16	18	20	22																			
07	-07	08	09	10	11	12	14	16	18	20	22	24	28																	
08	-08	08	09	10	11	12	14	16	18	20	22	24	28																	
09	-09	08	09	10	11	12	14	16	18	20	22	24	28	32	36															
10	-10	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44													
11	-11	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52											
12	-12	08	09	10	11	12	14	16	18	20	22	24	28	32	38	40	44	48	52											
14	-14	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52											
16	-16	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60									
18	-18		10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60										
20	-20			12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68									
22	-22			12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68									
24	-24			12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88					
26	-26			16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88	96						
28	-28			16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88	96						
32	-32			16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88	96						

Bearing configuration	Part number designations for a 0.250 in. bore and 0.250 in. long aluminum journal bearing		
Base P/N (no options)	07-382-04008	FBE04A08	M81934/2-04A008
1st oversize O.D. (0.010 in.)	07-382-04008T	FBE04A08T	M81934/2-04A008T
2nd oversize O.D. (0.020 in.)	07-382-04008U	FBE04A08U	M81934/2-04A008U

M81934/2 CRES SELF-LUBRICATED FLANGED JOURNAL BEARING

AS81934/2 (formerly MIL-B-81934)

- Flanged journal type
- High temperature — low wear
-65°F to +325°F. (-53.9°C to +162.8°C)
- Material: CRES 17-4PH, heat treated,
Cond. H-1150 passivated
Liner: Fibriloid® or “E” Uniflon® qualified to AS81934



SPECIFICATIONS AND ORDERING INFORMATION

DIMENSIONS – TOLERANCES

Part Numbers CRES FBE()C Dash No.	07-282 Dash No.	M81934/2()C Dash No.	Nominal Size		B		D		F		H		CRES Journal Weight L = 1.000 in. L = 25.4 mm Ref.		Flange Weight	
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.-in	kg-mm	lbs.-in	kg-mm
			+ .000, - .0010 + .000, - .25		+ .000, - .0005 + .000, - .013		+ .000, - .005 + .00, - .13		+ .000, - .020 + .00, - .51		Lbs.-in kg-mm		Lbs.-in kg-mm			
04	-04	-04†	1/4	6.350	.2515	6.388	.3760	9.550	.0625	1.588	.750	19.05	.009	.004	.003	.001
05	-05	-05†	5/16	7.938	.3140	7.976	.4386	11.140	.0625	1.588	.812	20.62	.011	.005	.003	.001
06	-06	-06†	3/8	9.525	.3765	9.563	.5012	12.730	.0625	1.588	.875	22.22	.012	.005	.003	.001
07	-07	-07†	7/16	11.112	.4390	11.151	.5638	14.321	.0625	1.588	.937	23.80	.013	.006	.003	.001
08	-08	-08†	1/2	12.700	.5015	12.738	.6265	15.913	.0625	1.588	1.000	25.40	.015	.007	.004	.002
09	-09	-09†	9/16	14.288	.5640	14.326	.6892	17.506	.0625	1.588	1.125	28.58	.017	.008	.004	.002
10	-10	-10†	5/8	15.875	.6265	15.913	.8142	20.681	.0625	1.588	1.250	31.75	.027	.012	.005	.002
11	-11	-11†	11/16	17.462	.6890	17.501	.8767	22.268	.0625	1.588	1.375	34.92	.030	.014	.007	.003
12	-12	-12†	3/4	19.050	.7515	19.088	.9393	23.858	.0625	1.588	1.500	38.10	.034	.015	.009	.004
14	-14	-14†	7/8	22.225	.8765	22.263	1.0645	27.038	.0625	1.588	1.625	41.28	.038	.017	.009	.004
16	-16	-16†	1	25.400	1.0015	25.438	1.1898	30.221	.0625	1.588	1.750	44.45	.043	.020	.010	.005
18	-18	-18†	1 1/8	28.575	1.1265	28.613	1.3148	33.396	.0937	2.380	1.875	47.62	.051	.023	.014	.006
20	-20	-20†	1 1/4	31.750	1.2515	31.788	1.4398	36.571	.0937	2.380	2.000	50.80	.058	.026	.018	.008
22	-22	-22†	1 3/8	34.925	1.3765	34.963	1.5648	39.746	.0937	2.380	2.125	53.98	.063	.029	.019	.009
24	-24	-24†	1 1/2	38.100	1.5015	38.138	1.7523	44.508	.0937	2.380	2.250	57.15	.084	.038	.018	.008
26	-26	-26†	1 5/8	41.275	1.6265	41.313	1.8773	47.683	.0937	2.380	2.375	60.32	.090	.041	.020	.009
28	-28	-28†	1 3/4	44.450	1.7515	44.488	2.0023	50.858	.0937	2.380	2.500	63.50	.098	.044	.023	.010
32	-32	-32†	2	50.800	2.0015	50.838	2.2523	57.208	.0937	2.380	2.750	69.85	.111	.050	.026	.012

Add length designation in 1/32 in. increments. (See below.) †Add length designation.

LENGTH DESIGNATORS

Part Number	Length: + .000, -.010 in./ +.00, -.25mm																														
FBE()C Dash No.	07-282 Dash No.	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	-04	08	09	10	11	12	14																								
05	-05	08	09	10	11	12	14	16	18																						
06	-06	08	09	10	11	12	14	16	18	20	22																				
07	-07	08	09	10	11	12	14	16	18	20	22	24	28																		
08	-08	08	09	10	11	12	14	16	18	20	22	24	28																		
09	-09	08	09	10	11	12	14	16	18	20	22	24	28	32	36																
10	-10	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44														
11	-11	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52												
12	-12	08	09	10	11	12	14	16	18	20	22	24	28	32	38	40	44	48	52												
14	-14	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52												
16	-16	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60										
18	-18			10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60										
20	-20					12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68								
22	-22						12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68							
24	-24							12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88		
26	-26								16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88	96		
28	-28									16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88	96	
32	-32										16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88	96

Bearing configuration	Part number designations for a 0.250 in. bore and 0.250 in. long CRES journal bearing		
Base P/N (no options)	07-282-04008	FBE04C08	M81934/2-04C008
Cadmium plating	07-282-04008P	FBE04C08C	M81934/2-04C008P
Zinc Nickel plating	07-282-04008Z	FBE04C08Z	M81934/2-04C008E
1st oversize O.D. (0.010 in.)	07-282-04008T	FBE04C08Q	M81934/2-04C008T
2nd oversize O.D. (0.020 in.)	07-282-04008U	FBE04C08U	M81934/2-04C008U

©2008, 2011, 2016 RBC Bearings Incorporated. All rights reserved.