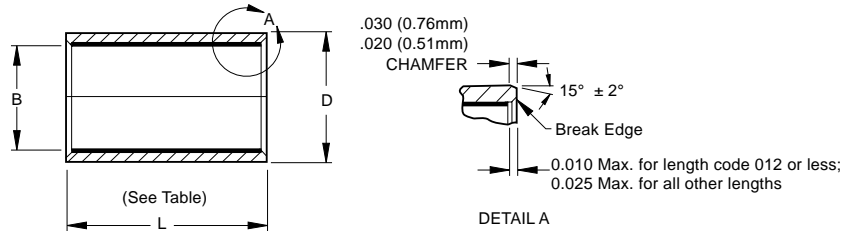


**MACHINABLE SELF-LUBRICATED STRAIGHT JOURNAL BEARING**

**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: HP Uniflon® qualified to AS81934



**SPECIFICATIONS AND ORDERING INFORMATION**

**DIMENSIONS – TOLERANCES**

Part Numbers Aluminum		Nominal Size		B		D		Weight	
PBHP(A) Dash No.	M81934/1(A) Dash No.	in.	mm	+ .000, - .0010 + .000, - .25		±.0005 ±.013		L = 1.000 in. L = 25.4 mm Ref.	
				in.	mm	in.	mm	lbs.-in	kg-mm
04	-04 <sup>†</sup>	1/4	6.350	.2515	6.388	.3760	9.550	.006	.003
05	-05 <sup>†</sup>	5/16	7.938	.3140	7.976	.4386	11.140	.008	.004
06	-06 <sup>†</sup>	3/8	9.525	.3765	9.563	.5012	12.730	.009	.004
07	-07 <sup>†</sup>	7/16	11.112	.4390	11.151	.5638	14.321	.010	.005
08	-08 <sup>†</sup>	1/2	12.700	.5015	12.738	.6265	15.913	.011	.005
09	-09 <sup>†</sup>	9/16	14.288	.5640	14.326	.6892	17.506	.013	.006
10	-10 <sup>†</sup>	5/8	15.875	.6265	15.913	.8142	20.681	.022	.010
11	-11 <sup>†</sup>	11/16	17.462	.6890	17.501	.8767	22.268	.023	.010
12	-12 <sup>†</sup>	3/4	19.050	.7515	19.088	.9393	23.858	.025	.011
14	-14 <sup>†</sup>	7/8	22.225	.8765	22.263	1.0645	27.038	.029	.013
16	-16 <sup>†</sup>	1	25.400	1.0015	25.438	1.1898	30.221	.033	.015
18	-18 <sup>†</sup>	1 1/8	28.575	1.1265	28.613	1.3148	33.396	.037	.017
20	-20 <sup>†</sup>	1 1/4	31.750	1.2515	31.788	1.4398	36.571	.040	.018
22	-22 <sup>†</sup>	1 3/8	34.925	1.3765	34.963	1.5648	39.746	.044	.020
24	-24 <sup>†</sup>	1 1/2	38.100	1.5015	38.138	1.7523	44.508	.065	.029
26	-26 <sup>†</sup>	1 5/8	41.275	1.6265	41.313	1.8773	47.683	.070	.032
28	-28 <sup>†</sup>	1 3/4	44.450	1.7515	44.488	2.0023	50.858	.075	.034
32	-32 <sup>†</sup>	2	50.800	2.0015	50.838	2.2523	57.208	.085	.039

Add length designation in 1/32 in. increments. (See below.) <sup>†</sup>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			
PBHP(A) 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	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												
12	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52												
14	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52												
16	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60										
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

Bearing configuration	Part number designations for a 0.250 in. bore and 0.250 in. long aluminum journal bearing	
Base P/N (no options)	PBHP04A08	M81934/1-04A008
1st oversize O.D. (0.010 in.)	PBHP04A08Q	M81934/1-04A008T

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