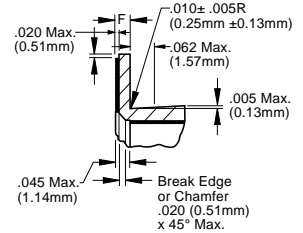
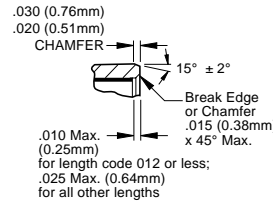
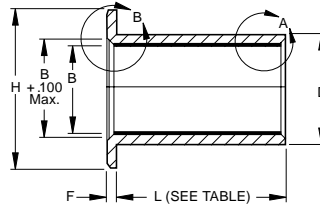


M81934/2 ALUMINUM SELF-LUBRICATED FLANGED JOURNAL BEARING

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. | | + .000, - .0010 + .000, -.25 | ±.0005 ±.013 | + .000, - .005 + .00, -.13 | + .000, - .020 + .00, -.51 | lbs.-in | kg-mm | lbs.-in | kg-mm | | | | | |
| | | | | in. | mm | in. | mm | in. | mm | in. | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|-----------------------------------------|------|------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|--|--|--|--|--|
| | 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 | | | | | | | |
| FBE(JA) Dash No. | 07-382 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) | 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 |

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