

## POLYURETHANE CLEARANCE TABLES

**Table A - SHAFT RUNNING CLEARANCE**

|                                 |      |      |      |      |      |      |      |      |      |      |      |      |
|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| If shaft diameter in inches is: | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |
| Clearance in inches is:         | .007 | .010 | .013 | .015 | .018 | .020 | .022 | .024 | .026 | .028 | .030 | .032 |

**Table B - BEARING WALL EXPANSION CLEARANCE** (only for normal operating temperatures)

|                                         |      |      |      |      |      |      |      |      |       |       |       |      |
|-----------------------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|------|
| If bearing wall thickness in inches is: | 1/8  | 1/4  | 3/8  | 1/2  | 5/8  | 3/4  | 7/8  | 1    | 1-1/4 | 1-1/2 | 1-3/4 | 2    |
| Clearance in inches is:                 | .002 | .004 | .006 | .008 | .010 | .012 | .015 | .017 | .020  | .024  | .028  | .033 |

**Table C - PRESS FIT INTERFERENCE CLEARANCE** (only if press fit)

|                               |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| If housing I.D. in inches is: | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   |
| Clearance in inches is:       | .007 | .009 | .011 | .012 | .013 | .015 | .016 | .017 | .018 | .019 | .020 | .021 |

**Table D - MOISTURE EXPANSION CLEARANCE** (only if water lubricated bearing)

|                                         |      |      |      |      |      |      |           |
|-----------------------------------------|------|------|------|------|------|------|-----------|
| If bearing wall thickness in inches is: | 1/8  | 3/16 | 1/4  | 3/8  | 1/2  | 3/4  | 1 or more |
| Clearance in inches is:                 | .012 | .017 | .021 | .026 | .030 | .032 | .033      |

If the bearing is press fit, add clearances A, B and C. Then add the total to the shaft diameter.  
The result is the finished inside diameter of the polyurethane bearing.

