



**TYPE-B PLAIN WASHERS—WIDE SERIES**

| Washer Size | Inside Diameter |       | Outside Diameter |       | Thickness |       |
|-------------|-----------------|-------|------------------|-------|-----------|-------|
|             | Max             | Min   | Max              | Min   | Max       | Min   |
| 2           | 0.094           | 0.089 | 0.344            | 0.339 | 0.036     | 0.028 |
| 3           | 0.117           | 0.104 | 0.414            | 0.401 | 0.045     | 0.036 |
| 4           | 0.133           | 0.120 | 0.446            | 0.433 | 0.045     | 0.036 |
| 6           | 0.164           | 0.151 | 0.570            | 0.557 | 0.045     | 0.036 |
| 8           | 0.196           | 0.183 | 0.640            | 0.620 | 0.071     | 0.056 |
| 10          | 0.211           | 0.198 | 0.749            | 0.727 | 0.071     | 0.056 |
| 12          | 0.242           | 0.229 | 0.890            | 0.868 | 0.071     | 0.056 |
| 1/4         | 0.296           | 0.276 | 1.015            | 0.993 | 0.071     | 0.056 |
| 5/16        | 0.359           | 0.339 | 1.140            | 1.118 | 0.071     | 0.056 |
| 3/8         | 0.419           | 0.401 | 1.280            | 1.243 | 0.112     | 0.090 |
| 1/2         | 0.546           | 0.526 | 1.780            | 1.743 | 0.112     | 0.090 |
| 5/8         | 0.686           | 0.649 | 2.280            | 2.243 | 0.174     | 0.146 |
| 3/4         | 0.842           | 0.805 | 2.280            | 2.243 | 0.174     | 0.146 |

|                                 |  |
|---------------------------------|--|
| <b>Description</b>              | A thin, flat, circular metal part with a centrally located hole. The tolerances of the thickness and outside diameter of Type-B washers are tighter than for USS and SAE flat washers. Wide Series are thicker and have greater outside diameter than Type-B Regular Series washers. |
| <b>Applications/ Advantages</b> | For use with low-carbon steel materials. Type-B washers distribute load over larger areas than the comparable USS or SAE washers of the same nominal size.   |
| <b>Material</b>                 | Low Carbon steel   |