

DIMENSIONAL TOLERANCES

| LARGE DIAMETER FLANGES • ASME B16.47 | | | | |
|--------------------------------------|---|-----------------------------|--------------------|------------------------------------|
| O | Outside Diameter‡ | | $\pm 0.12''$ | $\pm 3.2 \text{ mm}$ |
| R | Diameter of Contact Face | 0.06" (1.6 mm) raised face. | $\pm 0.08''$ | $\pm 2.0 \text{ mm}$ |
| | | 0.25" (6.4 mm) raised face. | $\pm 0.04''$ | $\pm 1.2 \text{ mm}$ |
| A | Diameter of Hub at Point of Welding | | $+0.21'', -0.06''$ | $+5.5 \text{ mm}, -1.6 \text{ mm}$ |
| (1) | Inside Diameter | | $+0.12'', -0.06''$ | $+3.2 \text{ mm}, -1.6 \text{ mm}$ |
| C | Thickness | Up to 1.0" thickness | $+0.12'', -0''$ | $+3.2 \text{ mm}, -0 \text{ mm}$ |
| | | 1.0" to 2.0" | $+0.19'', -0''$ | $+4.8 \text{ mm}, -0 \text{ mm}$ |
| | | 2.0" to 3.0" | $+0.31'', -0''$ | $+7.9 \text{ mm}, -0 \text{ mm}$ |
| | | Over 3.0" thickness | $+0.38'', -0''$ | $+9.6 \text{ mm}, -0 \text{ mm}$ |
| | Drilling | Bolt circle diameter | $\pm 0.06''$ | $\pm 1.6 \text{ mm}$ |
| | | Bolt circle diameter | $\pm 0.03''$ | $\pm 0.8 \text{ mm}$ |
| | Eccentricity of Bolt Circle and Facing with respect to Bore | | $\pm 0.06''$ | $\pm 1.6 \text{ mm}$ |

‡ Not an ASME tolerance.