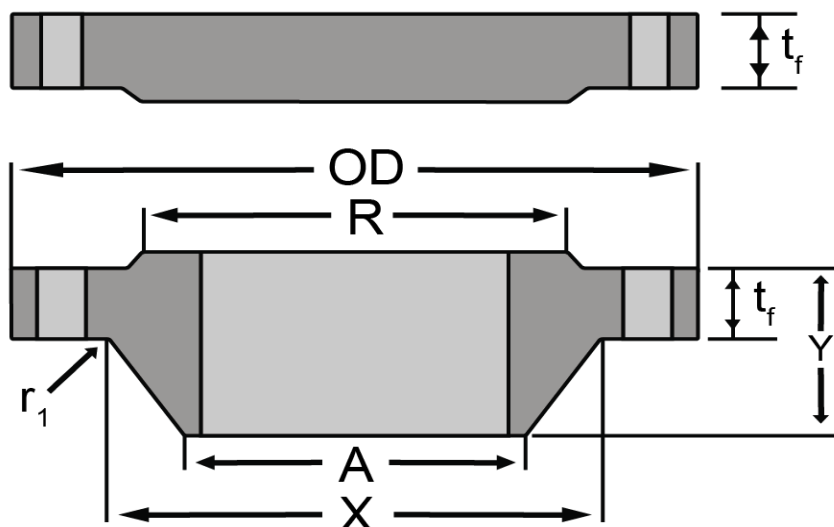


## ASME B16.47 - 2017 Dimensions of Class 150 Series A Flanges



| Nominal<br>Size | Outside<br>Diameter<br>(OD) | Minimum<br>Thickness of<br>Flange, ( $t_f$ ) |       | Length<br>Through<br>Hub (Y) | Hub Dia.<br>Base (X)<br>(Note2) | Hub<br>Dia.<br>Top<br>(A) | Raised<br>Face Dia.<br>(R) | Drilling                |                         |                               | Minimum<br>Fillet<br>Radius, ( $r_1$ ) |      |
|-----------------|-----------------------------|----------------------------------------------|-------|------------------------------|---------------------------------|---------------------------|----------------------------|-------------------------|-------------------------|-------------------------------|----------------------------------------|------|
|                 |                             | [Note (1)]                                   |       |                              |                                 |                           |                            | Bolt Circle<br>Diameter | No. of<br>Bolt<br>Holes | Dia.<br>of Bolt<br>Hole       |                                        |      |
|                 |                             | WNF                                          | Blind |                              |                                 |                           |                            |                         |                         |                               |                                        |      |
| 26              | 34.25                       | 2.63                                         | 2.63  | 4.69                         | 26.62                           | 26.00                     | 29.50                      | 31.75                   | 24                      | 1 <sup>3</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>4</sub>          | 0.38 |
| 28              | 36.50                       | 2.75                                         | 2.75  | 4.88                         | 28.62                           | 28.00                     | 31.50                      | 34.00                   | 28                      | 1 <sup>3</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>4</sub>          | 0.44 |
| 30              | 38.75                       | 2.88                                         | 2.88  | 5.32                         | 30.75                           | 30.00                     | 33.75                      | 36.00                   | 28                      | 1 <sup>3</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>4</sub>          | 0.44 |
| 32              | 41.75                       | 3.13                                         | 3.13  | 5.63                         | 32.75                           | 32.00                     | 36.00                      | 38.50                   | 28                      | 1 <sup>5</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>          | 0.44 |
| 34              | 43.75                       | 3.19                                         | 3.19  | 5.82                         | 34.75                           | 34.00                     | 38.00                      | 40.50                   | 32                      | 1 <sup>5</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>          | 0.50 |
| 36              | 46.00                       | 3.50                                         | 3.50  | 6.13                         | 36.75                           | 36.00                     | 40.25                      | 42.75                   | 32                      | 1 <sup>5</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>          | 0.50 |
| 38              | 48.75                       | 3.38                                         | 3.38  | 6.13                         | 39.00                           | 38.00                     | 42.25                      | 45.25                   | 32                      | 1 <sup>5</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>          | 0.50 |
| 40              | 50.75                       | 3.50                                         | 3.50  | 6.38                         | 41.00                           | 40.00                     | 44.25                      | 47.25                   | 36                      | 1 <sup>5</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>          | 0.50 |
| 42              | 53.00                       | 3.75                                         | 3.75  | 6.69                         | 43.00                           | 42.00                     | 47.00                      | 49.50                   | 36                      | 1 <sup>5</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>          | 0.50 |
| 44              | 55.25                       | 3.94                                         | 3.94  | 6.94                         | 45.00                           | 44.00                     | 49.00                      | 51.75                   | 40                      | 1 <sup>5</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>          | 0.50 |
| 46              | 57.25                       | 4.00                                         | 4.00  | 7.25                         | 47.12                           | 46.00                     | 51.00                      | 53.75                   | 40                      | 1 <sup>5</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>          | 0.50 |
| 48              | 59.50                       | 4.19                                         | 4.19  | 7.50                         | 49.12                           | 48.00                     | 53.50                      | 56.00                   | 44                      | 1 <sup>5</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>          | 0.50 |
| 50              | 61.75                       | 4.32                                         | 4.32  | 7.94                         | 51.25                           | 50.00                     | 55.50                      | 58.25                   | 44                      | 1 <sup>7</sup> / <sub>8</sub> | 1 <sup>3</sup> / <sub>4</sub>          | 0.50 |
| 52              | 64.00                       | 4.50                                         | 4.50  | 8.19                         | 53.25                           | 52.00                     | 57.50                      | 60.50                   | 44                      | 1 <sup>7</sup> / <sub>8</sub> | 1 <sup>3</sup> / <sub>4</sub>          | 0.50 |
| 54              | 66.25                       | 4.69                                         | 4.69  | 8.44                         | 55.25                           | 54.00                     | 59.50                      | 62.75                   | 44                      | 1 <sup>7</sup> / <sub>8</sub> | 1 <sup>3</sup> / <sub>4</sub>          | 0.50 |
| 56              | 68.75                       | 4.82                                         | 4.82  | 8.94                         | 57.38                           | 56.00                     | 62.00                      | 65.00                   | 48                      | 1 <sup>7</sup> / <sub>8</sub> | 1 <sup>3</sup> / <sub>4</sub>          | 0.50 |
| 58              | 71.00                       | 5.00                                         | 5.00  | 9.19                         | 59.38                           | 58.00                     | 64.00                      | 67.25                   | 48                      | 1 <sup>7</sup> / <sub>8</sub> | 1 <sup>3</sup> / <sub>4</sub>          | 0.50 |
| 60              | 73.00                       | 5.13                                         | 5.13  | 9.38                         | 61.38                           | 60.00                     | 66.00                      | 69.25                   | 52                      | 1 <sup>7</sup> / <sub>8</sub> | 1 <sup>3</sup> / <sub>4</sub>          | 0.50 |

### GENERAL NOTES:

Dimensions are in inches.

- 1) The minimum flange thickness does not include the raised face thickness
- 2) This dimension is for the large end of hub, which may be straight or tapered.
- 3) Weldneck Bore/ID is to be specified by purchaser
- 4) For other details and tolerances see specification.