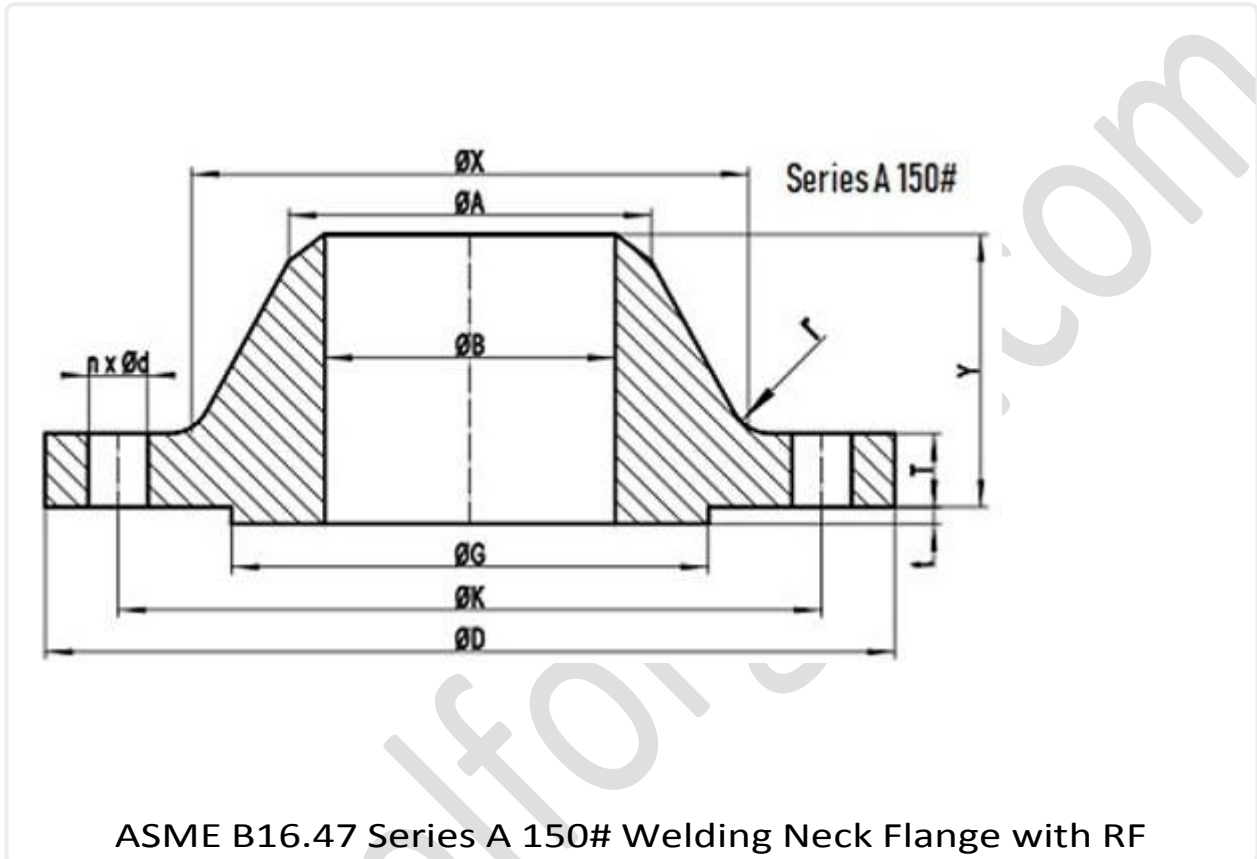
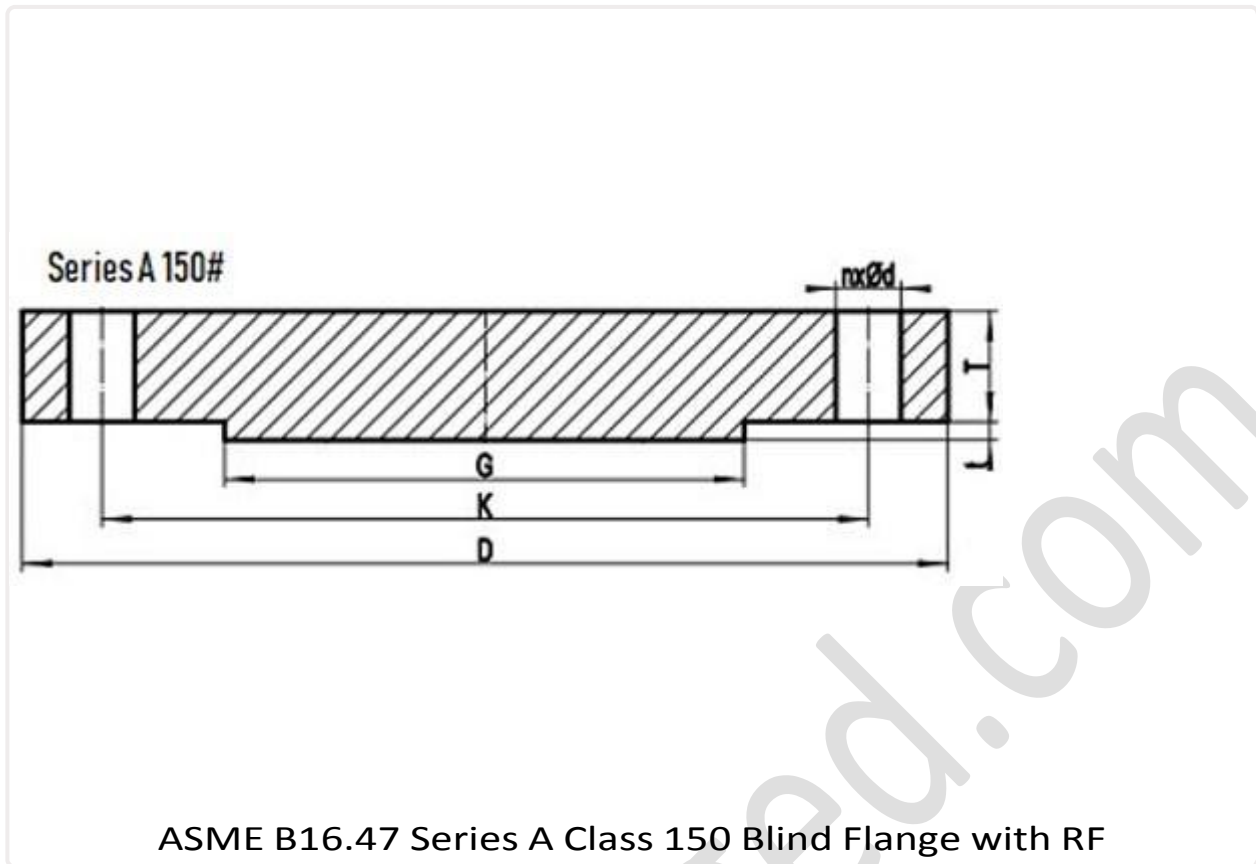


## ASME B16 47 Class 150 Series A Flange

ASME B16.47 SERIES A FLANGES CLASS 150 DIMENSIONS AND TECHNICAL DRAWINGS



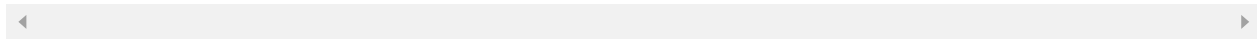


150# B16.47 SERIES A FLANGES DIMENSIONS

B 1 6 . 4 7 D I M E N S I O N S I N M M

| NPS | D    | K      | G    | X    |
|-----|------|--------|------|------|
| 26" | 870  | 806.4  | 749  | 676  |
| 28" | 925  | 863.6  | 800  | 727  |
| 30" | 985  | 914.4  | 857  | 781  |
| 32" | 1060 | 977.9  | 914  | 832  |
| 34" | 1110 | 1028.7 | 965  | 883  |
| 36" | 1170 | 1085.8 | 1022 | 933  |
| 38" | 1240 | 1149.4 | 1073 | 991  |
| 40" | 1290 | 1200.2 | 1124 | 1041 |
| 42" | 1345 | 1257.3 | 1194 | 1092 |
| 44" | 1405 | 1314.4 | 1245 | 1143 |
| 46" | 1455 | 1365.2 | 1295 | 1197 |
| 48" | 1510 | 1422.4 | 1359 | 1248 |
| 50" | 1570 | 1479.6 | 1410 | 1302 |
| 52" | 1625 | 1536.7 | 1461 | 1353 |
| 54" | 1685 | 1593.8 | 1511 | 1403 |

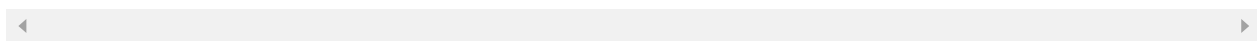
|            |          |          |          |          |
|------------|----------|----------|----------|----------|
| 56"        | 1745     | 1651.0   | 1575     | 1457     |
| 58"        | 1805     | 1708.2   | 1626     | 1508     |
| <b>NPS</b> | <b>D</b> | <b>K</b> | <b>G</b> | <b>X</b> |
| 60"        | 1855     | 1759.0   | 1676     | 1559     |



General Note:

- All dimensions are in MM.
- D: outside diameter of flange.
- K: diameter of bolt circle.
- G: diameter of raised face.
- X: diameter of hub of flange.

| <b>NPS</b> | <b>A</b> | <b>TBL</b> | <b>TWN</b> | <b>Y</b> |
|------------|----------|------------|------------|----------|
| 26"        | 660.4    | 66.7       | 66.7       | 119      |
| 28"        | 711.2    | 69.9       | 69.9       | 124      |
| 30"        | 762.0    | 73.1       | 73.1       | 135      |
| 32"        | 812.8    | 79.4       | 79.4       | 143      |
| 34"        | 863.6    | 81.0       | 81.0       | 148      |
| 36"        | 914.4    | 88.9       | 88.9       | 156      |
| 38"        | 965.2    | 85.8       | 85.8       | 156      |
| 40"        | 1016.0   | 88.9       | 88.9       | 162      |
| 42"        | 1066.8   | 95.3       | 95.3       | 170      |
| 44"        | 1117.6   | 100.1      | 100.1      | 176      |
| 46"        | 1168.4   | 101.6      | 101.6      | 184      |
| 48"        | 1219.2   | 106.4      | 106.4      | 191      |
| 50"        | 1270.0   | 109.6      | 109.6      | 202      |
| 52"        | 1320.8   | 114.3      | 114.3      | 208      |
| 54"        | 1371.6   | 119.1      | 119.1      | 214      |
| 56"        | 1422.4   | 122.3      | 122.3      | 227      |
| 58"        | 1473.2   | 127.0      | 127.0      | 233      |
| 60"        | 1524.0   | 130.2      | 130.2      | 238      |



General Note:

- All dimensions are in MM.

- A: Diameter of hub top of WN.
- TBL: minimum thickness of blind flange.
- TWN: minimum thickness of WN flange.
- Y: length through hub of WN.
- t: 2mm height of RF for Class 150 Series A flange.

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| <b>NPS</b> | <b>n</b> | <b>d</b> | <b>l</b> | <b>r</b> |
|------------|----------|----------|----------|----------|
| 26"        | 24       | 1-3/8    | 1-1/4    | 10       |
| 28"        | 28       | 1-3/8    | 1-1/4    | 11       |
| 30"        | 28       | 1-3/8    | 1-1/4    | 11       |
| 32"        | 28       | 1-5/8    | 1-1/2    | 11       |
| 34"        | 32       | 1-5/8    | 1-1/2    | 13       |
| 36"        | 32       | 1-5/8    | 1-1/2    | 13       |
| 38"        | 32       | 1-5/8    | 1-1/2    | 13       |
| 40"        | 36       | 1-5/8    | 1-1/2    | 13       |
| 42"        | 36       | 1-5/8    | 1-1/2    | 13       |
| 44"        | 40       | 1-5/8    | 1-1/2    | 13       |
| 46"        | 40       | 1-5/8    | 1-1/2    | 13       |
| 48"        | 44       | 1-5/8    | 1-1/2    | 13       |
| 50"        | 44       | 1-7/8    | 1-3/4    | 13       |
| 52"        | 44       | 1-7/8    | 1-3/4    | 13       |
| 54"        | 44       | 1-7/8    | 1-3/4    | 13       |
| 56"        | 48       | 1-7/8    | 1-3/4    | 13       |
| 58"        | 48       | 1-7/8    | 1-3/4    | 13       |
| 60"        | 52       | 1-7/8    | 1-3/4    | 13       |

General Note:

- n: number of bolt holes.
- d: diameter of bolt hole.
- l: diameter of bolt.
- r: minimum fillet radius for WN.
- d and l are in inch units, while r is in mm unit.

## ASME B16.47 SERIES A CLASS 150 FLANGES INDUSTRIES AND APPLICATIONS

- Pumps, Valves, and vessels in manufacturing and food processing.
- Pipe connections in industrial waterworks.
- Heat exchangers and heating systems of all sizes.
- Mining support.
- Nuclear power systems.
- Plumbing and mechanical systems.
- Assemblies in the oil, gas, and petrochemical industries.
- Fire protection systems.