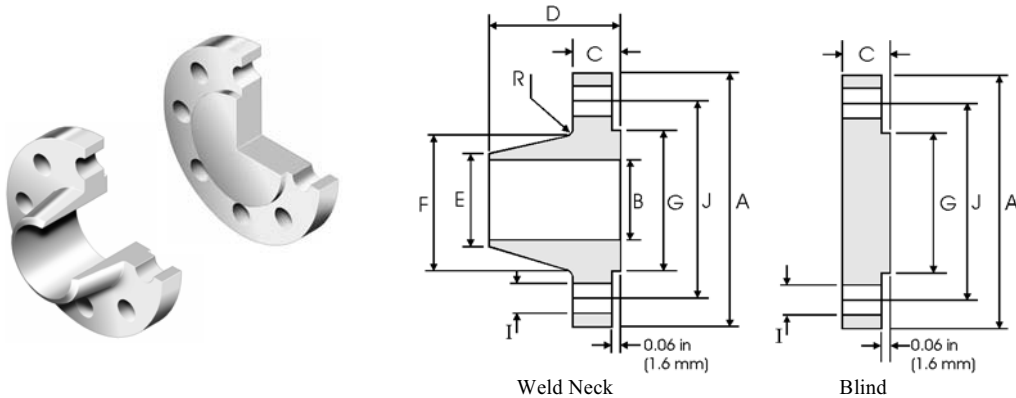


**ASME B16.47 Class 75 Series B Blind Flanges** in the Catalog including Item #, Nominal Pipe Size, Outside Diameter (O), Minimum Thickness (T), Raised Face Diameter (R), Approximate Weight (lbs), Bolt Circle (C), Number of Holes, Diameter.

## ASME B16.47 Series B (API 605) Flanges



### Class 75 lb

| Pipe              | Flange Data      |                          |                            | Hub Data           |                        |                  | Raised Face     | Drilling Data   |                    |                             | Radius       |
|-------------------|------------------|--------------------------|----------------------------|--------------------|------------------------|------------------|-----------------|-----------------|--------------------|-----------------------------|--------------|
| Nominal Pipe Size | A                | C                        | D                          | E                  | F                      | G                | H               | I               | J                  | R                           |              |
|                   | Overall Diameter | WNF Flange Thickness min | Blind Flange Thickness min | Overall Length WNF | Diameter at Weld Bevel | Hub Diameter     | Face Diameter   | Number of Holes | Bolt Hole Diameter | Diameter of Circle of Holes | Fillet       |
|                   | in mm            | in mm                    | in mm                      | in mm              | in mm                  | in mm            | in mm           |                 | in mm              | in mm                       | in mm        |
| 26                | 30.00<br>762.00  | 1.31<br>33.27            | 1.31<br>33.27              | 2.31<br>58.67      | 26.06<br>661.92        | 26.62<br>676.15  | 27.75<br>704.85 | 36              | 0.75<br>19.05      | 28.50<br>723.90             | 0.31<br>7.87 |
| 28                | 32.00<br>812.80  | 1.31<br>33.27            | 1.31<br>33.27              | 2.44<br>61.98      | 28.06<br>712.72        | 28.62<br>726.95  | 29.75<br>755.65 | 40              | 0.75<br>19.05      | 30.50<br>774.70             | 0.31<br>7.87 |
| 30                | 34.00<br>863.60  | 1.31<br>33.27            | 1.31<br>33.27              | 2.56<br>65.02      | 30.06<br>763.52        | 30.62<br>777.75  | 31.75<br>806.45 | 44              | 0.75<br>19.05      | 32.50<br>825.50             | 0.31<br>7.87 |
| 32                | 36.00<br>914.40  | 1.38<br>35.05            | 1.44<br>36.58              | 2.75<br>69.85      | 32.06<br>814.32        | 32.62<br>828.55  | 33.75<br>857.25 | 48              | 0.75<br>19.05      | 34.50<br>876.30             | 0.31<br>7.87 |
| 34                | 38.00<br>965.20  | 1.38<br>35.05            | 1.50<br>38.10              | 2.88<br>73.15      | 34.06<br>865.12        | 34.62<br>879.35  | 35.75<br>908.05 | 52              | 0.75<br>19.05      | 36.50<br>927.10             | 0.31<br>7.87 |
| 36                | 40.69<br>1033.5  | 1.44<br>36.58            | 1.67<br>42.42              | 3.38<br>85.85      | 36.06<br>915.92        | 36.81<br>934.97  | 38.00<br>965.20 | 40              | 0.88<br>22.35      | 39.06<br>992.12             | 0.38<br>9.65 |
| 38                | 42.69<br>1084.3  | 1.50<br>38.10            | 1.75<br>44.45              | 3.50<br>88.90      | 38.06<br>966.72        | 38.81<br>985.77  | 40.00<br>1016.0 | 40              | 0.88<br>22.35      | 41.06<br>1042.9             | 0.38<br>9.65 |
| 40                | 44.69<br>1135.1  | 1.50<br>38.10            | 1.75<br>44.45              | 3.62<br>91.95      | 40.06<br>1017.5        | 40.81<br>1036.57 | 42.0<br>1066.8  | 44              | 0.88<br>22.35      | 43.06<br>1093.7             | 0.38<br>9.65 |
| 42                | 46.69<br>1185.9  | 1.56<br>39.62            | 1.88<br>47.75              | 3.75<br>95.25      | 42.06<br>1068.3        | 42.81<br>1087.37 | 44.00<br>1117.6 | 48              | 0.88<br>22.35      | 45.06<br>1144.5             | 0.38<br>9.65 |
| 44                | 49.25<br>1251.0  | 1.69<br>42.93            | 1.94<br>49.28              | 4.12<br>104.65     | 44.06<br>1119.1        | 44.88<br>1139.95 | 46.25<br>1174.8 | 36              | 1.00<br>25.40      | 47.38<br>1203.5             | 0.38<br>9.65 |
| 46                | 51.25<br>1301.8  | 1.75<br>44.45            | 2.00<br>50.80              | 4.25<br>107.95     | 46.06<br>1169.9        | 46.88<br>1190.75 | 48.25<br>1225.6 | 40              | 1.00<br>25.40      | 49.38<br>1254.3             | 0.38<br>9.65 |
| 48                | 53.25<br>1352.6  | 1.81<br>45.97            | 2.12<br>53.85              | 4.38<br>111.25     | 48.06<br>1220.7        | 48.88<br>1241.55 | 50.25<br>1276.4 | 44              | 1.00<br>25.40      | 51.38<br>1305.1             | 0.38<br>9.65 |

#### Notes

- ASME B16.47 Series B flanges are API 605 flanges. API 605 has been cancelled.
- Class 400 Series A dimensions at NPS 38 and larger also apply to Class 400 Series B flanges.
- Dimension B is to be specified by the purchaser. It corresponds to the pipe inside diameter.
- Flat face flanges may be provided at full thickness, C, or with raised face removed (the latter is nonstandard).
- WNF = Weld Neck Flange.
- The large end of the hub may be straight or tapered.
- For ring joint facings see page 8-6. For weld end bevel see page 8-5.
- For tolerances see page 8-4.