



**Class 400 lb, 600 lb and 900 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 | Filllet       |
|                   | in<br>mm         | in<br>mm                 | in<br>mm                   | in<br>mm           | in<br>mm               | in<br>mm        | in<br>mm        |                 | in<br>mm           | in<br>mm                    | in<br>mm      |
| <b>Class 400</b>  |                  |                          |                            |                    |                        |                 |                 |                 |                    |                             |               |
| 26                | 33.50<br>850.90  | 3.50<br>88.90            | 3.50<br>88.90              | 5.88<br>149.35     | 26.00<br>660.40        | 27.12<br>688.85 | 28.00<br>711.20 | 28              | 1.50<br>38.10      | 30.75<br>781.05             | 0.44<br>11.18 |
| 28                | 36.00<br>914.40  | 3.75<br>95.25            | 3.75<br>95.25              | 6.25<br>158.90     | 28.00<br>711.20        | 29.12<br>739.65 | 30.00<br>762.00 | 24              | 1.62<br>41.15      | 33.00<br>838.20             | 0.50<br>12.70 |
| 30                | 38.25<br>971.55  | 4.00<br>101.60           | 4.00<br>101.60             | 6.69<br>169.93     | 30.00<br>762.00        | 31.25<br>793.75 | 32.25<br>825.00 | 28              | 1.62<br>41.15      | 35.25<br>895.35             | 0.50<br>12.70 |
| 32                | 40.75<br>1035.1  | 4.25<br>107.95           | 4.25<br>107.95             | 7.06<br>179.32     | 32.00<br>812.80        | 33.25<br>844.55 | 34.38<br>873.25 | 28              | 1.75<br>44.45      | 37.50<br>952.50             | 0.50<br>12.70 |
| 34                | 42.75<br>1085.9  | 4.38<br>111.25           | 4.38<br>111.25             | 7.38<br>187.45     | 34.00<br>863.60        | 35.38<br>898.65 | 36.50<br>927.10 | 32              | 1.75<br>44.45      | 39.50<br>1003.3             | 0.56<br>14.22 |
| 36                | 45.50<br>1155.7  | 4.69<br>119.13           | 4.69<br>119.13             | 7.88<br>200.15     | 36.00<br>914.40        | 37.50<br>952.50 | 38.62<br>980.95 | 28              | 1.88<br>47.75      | 42.00<br>1066.8             | 0.56<br>14.22 |
| <b>Class 600</b>  |                  |                          |                            |                    |                        |                 |                 |                 |                    |                             |               |
| 26                | 35.00<br>889.00  | 4.38<br>111.25           | 4.38<br>111.25             | 7.12<br>180.85     | 26.00<br>660.40        | 27.50<br>698.50 | 28.62<br>726.95 | 28              | 1.75<br>44.45      | 31.75<br>806.45             | 0.50<br>12.70 |
| 28                | 37.50<br>952.50  | 4.56<br>115.82           | 4.56<br>115.82             | 7.50<br>190.50     | 28.00<br>711.20        | 29.62<br>752.35 | 30.88<br>784.35 | 28              | 1.88<br>47.75      | 34.00<br>863.60             | 0.50<br>12.70 |
| 30                | 40.25<br>1022.4  | 4.94<br>125.48           | 5.00<br>127.00             | 8.06<br>204.72     | 30.00<br>762.00        | 31.75<br>806.45 | 33.12<br>841.25 | 28              | 2.00<br>50.80      | 36.50<br>927.10             | 0.50<br>12.70 |
| 32                | 42.75<br>1085.9  | 5.12<br>130.05           | 5.31<br>134.87             | 8.50<br>215.90     | 32.00<br>812.80        | 33.88<br>860.55 | 35.25<br>895.35 | 28              | 2.12<br>53.85      | 38.75<br>984.25             | 0.50<br>12.70 |
| 34                | 45.75<br>1162.1  | 5.56<br>141.22           | 5.68<br>144.27             | 9.19<br>233.43     | 34.00<br>863.60        | 36.00<br>914.40 | 37.50<br>952.50 | 24              | 2.38<br>60.45      | 41.50<br>1054.1             | 0.56<br>14.22 |
| 36                | 47.75<br>1212.9  | 5.75<br>146.05           | 5.94<br>150.88             | 9.56<br>242.82     | 36.00<br>914.40        | 38.12<br>968.25 | 39.75<br>1009.7 | 28              | 2.38<br>60.45      | 43.50<br>1104.9             | 0.56<br>14.22 |
| <b>Class 900</b>  |                  |                          |                            |                    |                        |                 |                 |                 |                    |                             |               |
| 26                | 40.25<br>1022.4  | 5.31<br>134.87           | 6.06<br>153.92             | 10.19<br>258.83    | 26.00<br>660.40        | 29.25<br>742.95 | 30.00<br>762.00 | 20              | 2.62<br>66.55      | 35.50<br>901.70             | 0.44<br>11.18 |
| 28                | 43.50<br>1104.9  | 5.81<br>147.57           | 6.56<br>166.62             | 10.88<br>276.35    | 28.00<br>711.20        | 31.38<br>797.05 | 32.25<br>819.15 | 20              | 2.88<br>73.15      | 38.25<br>971.55             | 0.50<br>12.70 |
| 30                | 46.50<br>1181.1  | 6.12<br>155.45           | 6.93<br>176.02             | 11.38<br>289.05    | 30.00<br>762.00        | 33.50<br>850.90 | 34.50<br>876.30 | 20              | 3.12<br>79.25      | 40.75<br>1035.1             | 0.50<br>12.70 |
| 32                | 48.75<br>1238.3  | 6.31<br>160.27           | 7.31<br>185.67             | 11.94<br>303.28    | 32.00<br>812.80        | 35.75<br>908.05 | 36.50<br>927.10 | 20              | 3.12<br>79.25      | 43.00<br>1092.2             | 0.50<br>12.70 |
| 34                | 51.75<br>1314.5  | 6.75<br>171.45           | 7.68<br>195.07             | 12.56<br>319.02    | 34.00<br>863.60        | 37.88<br>962.15 | 39.00<br>990.60 | 20              | 3.38<br>85.85      | 45.50<br>1155.7             | 0.56<br>14.22 |
| 36                | 53.00<br>1346.2  | 6.81<br>172.97           | 7.94<br>201.68             | 12.81<br>325.37    | 36.00<br>914.40        | 40.00<br>1016.0 | 40.50<br>1028.7 | 24              | 3.12<br>79.25      | 47.25<br>1200.2             | 0.56<br>14.22 |

**Notes**

- ASME B16.47 Series B flanges are API 605 flanges. API 605 has been cancelled.
- Dimension B is to be specified by the purchaser. It corresponds to the pipe inside diameter.
- WNF = Weld Neck Flange.
- Flat face flanges may be provided at full thickness, C + raised face, or with raised face removed (the latter is nonstandard).
- The large end of the hub may be straight or tapered.