

## — BOLTING DIMENSIONS FOR 150 TO 300 LB. STEEL FLANGE

| NOM.<br>PIPE<br>SIZE | 125/150 LB. FLANGE     |              |                    |               |              | 250/300 LB. FLANGE     |              |                    |               |              |
|----------------------|------------------------|--------------|--------------------|---------------|--------------|------------------------|--------------|--------------------|---------------|--------------|
|                      | BOLT<br>CIRCLE<br>DIA. | BOLT<br>DIA. | No.<br>OF<br>BOLTS | *STUD<br>Len. | BOLT<br>LEN. | BOLT<br>CIRCLE<br>DIA. | BOLT<br>DIA. | No.<br>OF<br>BOLTS | *STUD<br>Len. | BOLT<br>LEN. |
|                      | 1/2                    | 23/8         | 1/2                | 4             | 2 1/4        | 1 3/4                  | 25/8         | 1/2                | 4             | 2 1/2        |
| 3/4                  | 23/4                   | 1/2          | 4                  | 2 1/4         | 2            | 3 1/4                  | 5/8          | 4                  | 2 3/4         | 2 1/2        |
| 1                    | 3 1/8                  | 1/2          | 4                  | 2 1/2         | 2            | 3 1/2                  | 5/8          | 4                  | 3             | 2 1/2        |
| 1 1/4                | 3 1/2                  | 1/2          | 4                  | 2 1/2         | 2 1/4        | 3 7/8                  | 5/8          | 4                  | 3             | 2 3/4        |
| 1 1/2                | 3 7/8                  | 1/2          | 4                  | 2 3/4         | 2 1/4        | 4 1/2                  | 3/4          | 4                  | 3 1/2         | 3            |
| 2                    | 4 3/4                  | 5/8          | 4                  | 3             | 2 3/4        | 5                      | 5/8          | 8                  | 3 1/4         | 3            |
| 2 1/2                | 5 1/2                  | 5/8          | 4                  | 3 1/4         | 3            | 5 7/8                  | 3/4          | 8                  | 3 3/4         | 3 1/4        |
| 3                    | 6                      | 5/8          | 4                  | 3 1/2         | 3            | 6 5/8                  | 3/4          | 8                  | 4             | 3 1/2        |
| 3 1/2                | 7                      | 5/8          | 8                  | 3 1/2         | 3            | 7 1/4                  | 3/4          | 8                  | 4 1/4         | 3 3/4        |
| 4                    | 7 1/2                  | 5/8          | 8                  | 3 1/2         | 3            | 7 7/8                  | 3/4          | 8                  | 4 1/4         | 3 3/4        |
| 5                    | 8 1/2                  | 3/4          | 8                  | 3 3/4         | 3 1/4        | 9 1/4                  | 3/4          | 8                  | 4 1/2         | 4            |
| 6                    | 9 1/2                  | 3/4          | 8                  | 3 3/4         | 3 1/4        | 10 5/8                 | 3/4          | 12                 | 4 3/4         | 4 1/4        |
| 8                    | 11 3/4                 | 3/4          | 8                  | 4             | 3 1/2        | 13                     | 7/8          | 12                 | 5 1/4         | 4 3/4        |
| 10                   | 14 1/8                 | 7/8          | 12                 | 4 1/2         | 3 3/4        | 15 1/4                 | 1            | 16                 | 6             | 5 1/4        |
| 12                   | 17                     | 7/8          | 12                 | 4 1/2         | 4            | 17 3/4                 | 1 1/8        | 16                 | 6 1/2         | 5 3/4        |
| 14                   | 18 3/4                 | 1            | 12                 | 5             | 4 1/4        | 20 1/4                 | 1 1/8        | 20                 | 6 3/4         | 6            |
| 16                   | 21 1/4                 | 1            | 16                 | 5 1/4         | 4 1/2        | 22 1/2                 | 1 1/4        | 20                 | 7 1/4         | 6 1/2        |
| 18                   | 22 3/4                 | 1 1/8        | 16                 | 5 3/4         | 4 3/4        | 24 3/4                 | 1 1/4        | 24                 | 7 1/2         | 6 3/4        |
| 20                   | 25                     | 1 1/8        | 20                 | 6             | 5 1/4        | 27                     | 1 1/4        | 24                 | 8             | 7            |
| 22                   | 27 1/4                 | 1 1/4        | 20                 | 6 1/2         | 5 1/2        | 29 1/4                 | 1 1/2        | 24                 | 8 3/4         | 7 1/2        |
| 24                   | 29 1/2                 | 1 1/4        | 20                 | 6 3/4         | 5 3/4        | 32                     | 1 1/2        | 24                 | 9             | 7 3/4        |
| 26                   | 31 3/4                 | 1 1/4        | 24                 | 7             | 6            | 34 1/2                 | 1 5/8        | 28                 | 10            | 8 3/4        |
| 30                   | 36                     | 1 1/4        | 28                 | 7 1/4         | 6 1/4        | 39 1/4                 | 1 3/4        | 28                 | 11 1/4        | 10           |
| 34                   | 40 1/2                 | 1 1/2        | 32                 | 8             | 7            | 43 1/2                 | 1 7/8        | 28                 | 12 1/4        | 10 3/4       |
| 36                   | 42 3/4                 | 1 1/2        | 32                 | 8 1/4         | 7            | 46                     | 2            | 32                 | 12 3/4        | 11 1/4       |
| 42                   | 49 1/2                 | 1 1/2        | 36                 | 8 3/4         | 7 1/4        | 52 3/4                 | 2            | 36                 | 13 3/4        | 13 1/2       |

\*1/16" Raised Face

Stud lengths for lap joint flanges are equal to lengths shown plus the thickness of two laps of the stub ends.