

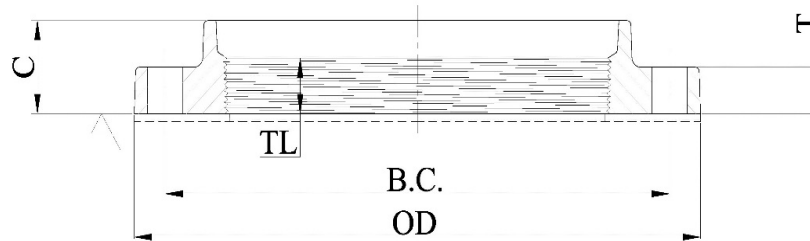
DOMESTIC

NON-DOMESTIC

## SUBMITTAL: COMPANION FLANGE C110 PRODUCT

(Current revisions for the noted Standards apply)

- SIZES:** 2" through 64" (Contact Tyler Union for 54" – 64" Flange fitting information)
- STANDARDS:** ANSI/AWWA C110/A21.10, NFPA 13/24, ASME B16.1, ANSI/AWWA C115/A21.15
- MATERIAL:** Cast of ASTM A536 qualified ductile iron. Date code is cast on and required for traceability.
- PRESSURE RATING:** \*Flanged fittings \*2" – 48" rated at 250 psi. 54" – 64" rated at 150psi.
- DEFLECTION:** Deflection is "not" recommended for flange joint due to the rigidity of the joint.
- COATING:** Asphaltic or Primer per ANSI/AWWA C104/A21.4, Standard primer is Tnemec Pota Pox 140N-1211. Contact Tyler Union for additional coating options.
- BARE FITTINGS:** Available upon request.
- THREADS:** Tapered Pipe Threads as per NPT ANSI B1.20.1. Available for Ductile Pipe as well as Steel Pipe
- FLANGES:** ANSI Class 125 per ASME B16.1 and ANSI/AWWA C111/A21.11. Bolt holes shall straddle the center line
- NOTE: Class 125 ASME B16.1 are not compatible with Class 250 Flanges**
- NOTE: Class 250 ASME B16.1 fittings are available upon request**
- INSTALLATION:** Install per AWWA C600/C651 using pipe conforming to ANSI/AWWA C151/A21.51.



COMPANION FLANGE DETAILS IN INCHES

BOLTS

| Size Inches | Diameter DI Pipe     | Flange O.D. | Bolt Circle Diameter | Flange Thickness "T" | Flange Height "C" | Thread Length "TL" | Bolt Hole Diameter | Size         | Qty. |
|-------------|----------------------|-------------|----------------------|----------------------|-------------------|--------------------|--------------------|--------------|------|
| 2           | 2.51                 | 6.00        | 4.75                 | 0.62                 | 1.25              | 1.060              | 0.750              | 5/8 x 2.25   | 4    |
| 3           | 3.96                 | 7.50        | 6.00                 | 0.75                 | 1.75              | 1.060              | 0.750              | 5/8 x 2.25   | 4    |
| 4           | 4.80                 | 9.00        | 7.50                 | 0.94                 | 1.87              | 1.190              | 0.750              | 5/8 x 3.00   | 8    |
| 6           | 6.90                 | 11.00       | 9.50                 | 1.00                 | 2.06              | 1.380              | 0.875              | 3/4 x 3.50   | 8    |
| 8           | 9.05                 | 13.50       | 11.75                | 1.12                 | 2.30              | 1.560              | 0.875              | 3/4 x 3.50   | 8    |
| 10          | 11.10                | 16.00       | 14.25                | 1.19                 | 2.50              | 1.750              | 1.000              | 7/8 x 4.00   | 12   |
| 12          | 13.20                | 19.00       | 17.00                | 1.25                 | 2.62              | 2.000              | 1.000              | 7/8 x 4.00   | 12   |
| 14          | 15.30                | 21.00       | 18.75                | 1.38                 | 2.70              | 2.010              | 1.125              | 1 x 4.50     | 12   |
| 16          | 17.40                | 23.50       | 21.25                | 1.44                 | 2.70              | 2.250              | 1.125              | 1 x 4.50     | 16   |
| 18          | 19.50                | 25.00       | 22.75                | 1.56                 | 2.82              | 2.450              | 1.250              | 1-1/8 x 5.00 | 16   |
| 20          | 21.60                | 27.50       | 25.00                | 1.69                 | 2.93              | 2.620              | 1.250              | 1-1/8 x 5.00 | 20   |
| 24          | 25.80                | 32.00       | 29.50                | 1.88                 | 3.17              | 2.960              | 1.375              | 1-1/4 x 5.50 | 20   |
| 30          | 32.00                | 38.75       | 36.00                | 2.12                 | 4.00              | 3.370              | 1.375              | 1-1/4 x 5.50 | 28   |
| 36          | 38.30                | 46.00       | 42.75                | 2.38                 | 5.00              | 4.000              | 1.625              | 1-1/2 x 7.00 | 32   |
| 42          | 44.50                | 53.00       | 49.50                | 2.62                 | 5.12              | 4.500              | 1.625              | 1-1/2 x 7.50 | 36   |
| 48          | 50.80                | 59.50       | 56.00                | 2.75                 | 5.50              | 5.120              | 1.625              | 1-1/2 x 8.00 | 44   |
| 54          | Available on Request |             |                      |                      |                   |                    |                    |              |      |
| 60          | Available on Request |             |                      |                      |                   |                    |                    |              |      |
| 64          | Available on Request |             |                      |                      |                   |                    |                    |              |      |