



IRON STRONG

**DUCTILE IRON PIPE  
NOMINAL THICKNESS  
FOR STANDARD  
PRESSURE CLASSES  
OF DUCTILE IRON PIPE**

| SIZE IN. | OUTSIDE DIAMETER IN. | PRESSURE CLASS*        |      |      |      |        |
|----------|----------------------|------------------------|------|------|------|--------|
|          |                      | 150                    | 200  | 250  | 300  | 350    |
|          |                      | NORMAL THICKNESS – IN. |      |      |      |        |
| 3        | 3.96                 | –                      | –    | –    | –    | 0.25** |
| 4        | 4.80                 | –                      | –    | –    | –    | 0.25** |
| 6        | 6.90                 | –                      | –    | –    | –    | 0.25** |
| 8        | 9.05                 | –                      | –    | –    | –    | 0.25** |
| 10       | 11.10                | –                      | –    | –    | –    | 0.26   |
| 12       | 13.20                | –                      | –    | –    | –    | 0.28   |
| 14       | 15.30                | –                      | –    | 0.28 | 0.30 | 0.31   |
| 16       | 17.40                | –                      | –    | 0.30 | 0.32 | 0.34   |
| 18       | 19.5                 | –                      | –    | 0.31 | 0.34 | 0.36   |
| 20       | 21.60                | –                      | –    | 0.33 | 0.36 | 0.38   |
| 24       | 25.80                | –                      | 0.33 | 0.37 | 0.40 | 0.43   |
| 30       | 32.00                | 0.34                   | 0.38 | 0.42 | 0.45 | 0.49   |
| 36       | 38.30                | 0.38                   | 0.42 | 0.47 | 0.51 | 0.56   |

\* Pressure Classes are defined as the rated water pressure of the pipe in psi. The thicknesses shown are adequate for the rated water working pressure plus a surge allowance of 100 psi. Calculations are based on a minimum yield strength of 42,000 and a 2.0 safety factor times the sum of the working pressure and 100 psi surge allowance.

\*\*Calculated thicknesses for these sizes and pressure ratings are less than those shown above. Presently, these are the lowest nominal thicknesses available in these sizes.

NOTE: Per ANSI/AWWA C150/A21.50 the thicknesses above include the 0.08 in. service allowance and the casting tolerance listed below by size ranges:

| SIZE (Inches) | CASTING TOLERANCES (Inches) |
|---------------|-----------------------------|
| 3–8           | -0.05                       |
| 10–12         | -0.06                       |
| 14–36         | -0.07                       |



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