



IRON STRONG

**DUCTILE IRON PIPE  
RATED WORKING  
PRESSURE AND MAXIMUM  
DEPTH OF COVER**

| PIPE SIZE IN. | PRESSURE CLASS PSI | NOMINAL THICKNESS IN. | LAYING CONDITIONS (TRENCH TYPE) |        |        |        |        |
|---------------|--------------------|-----------------------|---------------------------------|--------|--------|--------|--------|
|               |                    |                       | TYPE 1                          | TYPE 2 | TYPE 3 | TYPE 4 | TYPE 5 |
|               |                    |                       | MAXIMUM DEPTH OF COVER †-FT     |        |        |        |        |
| 3             | 350                | 0.25                  | 78                              | 88     | 99     | 100§   | 100§   |
| 4             | 350                | 0.25                  | 53                              | 61     | 69     | 85     | 100§   |
| 6             | 350                | 0.25                  | 26                              | 31     | 37     | 47     | 65     |
| 8             | 350                | 0.25                  | 16                              | 20     | 25     | 34     | 50     |
| 10            | 350                | 0.26                  | 11**                            | 15     | 19     | 28     | 45     |
| 12            | 350                | 0.28                  | 10**                            | 15     | 19     | 28     | 44     |
|               | 250                | 0.28                  | ††                              | 11**   | 15     | 23     | 36     |
|               | 300                | 0.30                  | ††                              | 13     | 17     | 26     | 42     |
| 14            | 350                | 0.31                  | ††                              | 14     | 19     | 27     | 44     |
|               | 250                | 0.30                  | ††                              | 11**   | 15     | 24     | 34     |
|               | 300                | 0.32                  | ††                              | 13     | 17     | 26     | 39     |
| 16            | 350                | 0.34                  | ††                              | 15     | 20     | 28     | 44     |
|               | 250                | 0.31                  | ††                              | 10**   | 14     | 22     | 31     |
|               | 300                | 0.34                  | ††                              | 13     | 17     | 26     | 36     |
| 18            | 350                | 0.36                  | ††                              | 15     | 19     | 28     | 41     |
|               | 250                | 0.33                  | ††                              | 10     | 14     | 22     | 30     |
|               | 300                | 0.36                  | ††                              | 13     | 17     | 26     | 35     |
| 20            | 350                | 0.38                  | ††                              | 15     | 19     | 28     | 38     |
|               | 200                | 0.33                  | ††                              | 8**    | 12     | 17     | 25     |
|               | 250                | 0.37                  | ††                              | 11     | 15     | 20     | 29     |
| 24            | 300                | 0.40                  | ††                              | 13     | 17     | 24     | 32     |
|               | 350                | 0.43                  | ††                              | 15     | 19     | 28     | 37     |
|               | 150                | 0.34                  | ††                              | --     | 9      | 14     | 22     |
| 30            | 200                | 0.38                  | ††                              | 8**    | 12     | 16     | 24     |
|               | 250                | 0.42                  | ††                              | 11     | 15     | 19     | 27     |
|               | 300                | 0.45                  | ††                              | 12     | 16     | 21     | 29     |
|               | 350                | 0.49                  | ††                              | 15     | 19     | 25     | 33     |
| 36            | 150                | 0.38                  | ††                              | --     | 9      | 14     | 21     |
|               | 200                | 0.42                  | ††                              | 8**    | 12     | 15     | 23     |
|               | 250                | 0.47                  | ††                              | 10     | 14     | 18     | 25     |
|               | 300                | 0.51                  | ††                              | 12     | 16     | 20     | 28     |
|               | 350                | 0.56                  | ††                              | 15     | 19     | 24     | 32     |

† An allowance for a single H-20 truck with 1.5 impact factor is included for all depths of cover.

§ Calculated maximum depth of cover exceeds 100 ft. (30.5 m).

\*\* Minimum allowable depth of cover is 3 ft. (0.9 m).

†† For pipe 14 in. (350 mm) and larger, consideration should be given to the use of laying conditions other than Type 1.



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[canadapipe.com](http://canadapipe.com)

**CANADA**  
Suite 1 Frid St.  
Hamilton, Ontario, Canada  
L8P 4M3  
905-547-3251

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