

Corrugated Steel Pipe



BIG R Manufacturing LLC

Big R Manufacturing is a leading corrugated steel pipe producer in the Rocky Mountain Region with over thirty years experience providing culvert pipe on highway projects. Culvert pipe supplied by Big R meets all applicable AASHTO and ASTM specifications. We fabricate corrugated steel pipe from 6" to 132" in diameter, in two different corrugations, with standard lengths up to 40 feet. Longer lengths are available on a special order basis. Our corrugated steel pipe can be manufactured to suit any environment using either galvanized, aluminized or polymer coated steel.

Available Sizes

Corrugation Profile 2²/₃" x 1/2"

| Round Pipe | | Equivalent Pipe Arch | |
|----------------|--------------------|----------------------|--------------------|
| Diameter (in.) | End Area (sq. ft.) | Span x Rise (in.) | End Area (sq. ft.) |
| 12 | 0.8 | — | — |
| 15 | 1.2 | 17 x 13 | 1.1 |
| 18 | 1.8 | 21 x 15 | 1.6 |
| 21 | 2.4 | 24 x 18 | 2.2 |
| 24 | 3.1 | 28 x 20 | 2.9 |
| 30 | 4.9 | 35 x 24 | 4.5 |
| 36 | 7.1 | 42 x 29 | 6.5 |
| 42 | 9.6 | 49 x 33 | 8.9 |
| 48 | 12.6 | 57 x 38 | 11.6 |

Corrugation Profile 3" x 1" or 5" x 1"

| Round Pipe | | Equivalent Pipe Arch | |
|----------------|--------------------|----------------------|--------------------|
| Diameter (in.) | End Area (sq. ft.) | Span x Rise (in.) | End Area (sq. ft.) |
| 54 | 15.9 | 60 x 46 | 15.6 |
| 60 | 19.6 | 66 x 51 | 19.3 |
| 66 | 23.8 | 73 x 55 | 23.2 |
| 72 | 28.3 | 81 x 59 | 27.4 |
| 78 | 33.2 | 87 x 63 | 32.1 |
| 84 | 38.5 | 95 x 67 | 37.0 |
| 90 | 44.2 | 103 x 71 | 42.4 |
| 96 | 50.3 | 112 x 75 | 48.0 |
| 102 | 56.7 | 117 x 79 | 54.2 |
| 108 | 63.6 | 128 x 83 | 60.5 |
| 114 | 70.9 | 137 x 87* | 67.4 |
| 120 | 78.5 | 142 x 91* | 74.5 |
| 126 | 86.6 | — | — |
| 132* | 95.0 | — | — |
| 138* | 103.9 | — | — |
| 144* | 113.1 | — | — |

* Inquire regarding availability.

Applications

Corrugated steel pipe is used for culverts, storms sewers, detention systems and many other applications.

For larger diameter installations, Big R offers structural plate in a number of different configurations including round pipe, pipe arch, pure arch and box culvert designs.

Coating Types

- Standard Galvanized
- Aluminized Type II
- Polymer Coated

Other Products

- Band couplers
- Flared end sections
- Parshall flumes
- Culvert fittings
- Water control gates
- Structural plate pipes
- Underground detention systems



- 1 Long lengths reduce the number of joint connections in the field.
- 2 Underground storm water detention system using economical corrugated steel pipe.
- 3 Full load of corrugated steel pipe ready for delivery.



BIG R Manufacturing LLC
Bridging solutions

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www.bigrmfg.com