



**REINFORCED CONCRETE PIPE**

**PRODUCTS**



**GROUNDING IN STRENGTH**

## Allow our broad range of cost-effective customizable products to bring value to your next project.

At Forterra we take pride in our ability to bring our customers the affordable, quality construction materials they need. Providing pre-fabricated designs that save time and money while increasing safety is one of many ways we do just that.

### Reinforced Concrete Pipe

Reinforced concrete pipe is the first choice for any fill and live load condition, and is essential when failure might endanger life or property. Over one hundred years of experience in the U.S. proves the value of reinforced concrete pipe as a keystone to our buried infrastructure.

### applications

Reinforced concrete pipe is used for the following:

- sanitary sewers
- storm drains
- culverts
- low-pressure sewer force mains and siphons
- jacked or tunneled systems
- treatment plant piping
- utility tunnels

### joints

The following joints are normally available for reinforced concrete pipe:

- tongue and groove with mastic or butyl sealant
- concrete joint with single offset spigot and profile gasket, rubber or neoprene, or with mastic or butyl sealant
- concrete joint with confined O-ring gasket, rubber or neoprene
- steel end rings with confined O-ring gasket, rubber or neoprene
- specialized joints for jacking or micro tunneling

### sizes

Reinforced concrete pipe is normally available in diameters of 12" (300mm) through 144" (3600mm). Larger diameters are available in some markets.

### linings/coatings

A variety of lining and coating systems are available should project conditions dictate their use.

### applicable specifications

The following specifications apply to reinforced concrete pipe:

- ASTM C76 / AASHTO M170 reinforced concrete culvert, storm drain and sewer pipe
- ASTM C361 - reinforced concrete low head pressure pipe
- ASTM C655 / AASHTO M242 reinforced concrete D-load culvert, storm drain and sewer pipe
- AWWA C302 - reinforced concrete pipe, non-cylinder type for water and other liquids
- U.S. Bureau of Reclamation - standard specifications for reinforced concrete pressure pipe
- ASTM C443 / AASHTO M315 joints for concrete pipe and manholes using rubber gaskets
- ASTM C990 / AASHTO M198 preformed flexible joint sealants
- ASTM C1628 - joints for concrete gravity flow sewer pipe, using rubber gaskets
- ASTM C1417 - direct design pipe
- ASTM C1479 - standard installation of precast concrete sewer, storm drain and culvert pipe
- CSA A257.2 - reinforced concrete culvert, storm drain and sewer pipe

