

How to install a corrugated pipe joint box



Article Overview

Installing a corrugated pipe joint box involves proper alignment, secure clamping, and careful backfilling to ensure a leak-proof and durable connection.

Materials and Tools Needed

- Corrugated pipes with compatible joint box or coupler
- Pipe clamps or attaching/detaching arms (adjustable for pipe diameter)
- Seals or gaskets for the joint
- Iron plates for securing the joint
- Hand tools or mechanical lifting equipment for larger pipes
- Backfill material and compaction tools
- Safety equipment (gloves, hard hat, trench box if needed)

Step-by-Step Installation

- Prepare the Trench
 - Excavate a trench with a smooth, flat bottom free of rocks and debris.
 - For deep trenches or unstable soil, use a trench box to ensure safety.
 - Create a subtrench or bedding layer no more than 24 inches above the pipe bottom for proper support .
- Position the Pipes
 - Place the corrugated pipes in the trench, ensuring the ends to be joined are clean and undamaged.
 - For pipes larger than 18 inches, use a backhoe with a nylon sling or multiple lift points to avoid damage

Article Content

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Chapter 9 Installation and Construction Procedures

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Installation Manual for

The information contained in this Installation Manual is the product of industry experience and practice. The methods used to install

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PACIFIC CORRUGATED PIPE COMPANY

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