

Technical Overview: Industrial Red Pipe Fitting

Component Description

This document details the red, industrial-grade pipe fitting component shown in the provided imagery. This component is designed for rapid-connection modular piping systems.

Structural & Functional Features

- **Material:** Durable, high-impact polymer (typically reinforced plastic), chosen for visibility and resistance to environmental elements.
- **Bail Handle Mechanism:** Features an integrated, pivoted U-shaped metal handle (bail). This allows for manual lifting, positioning, and easier manipulation of pipe segments during installation in irrigation or temporary fluid transport systems.
- **Threaded Interface:** Includes internal threading, ensuring a secure, leak-proof mechanical coupling to compatible pipe ends.

Application Context

The design features of this fitting indicate its use in mobile or temporary infrastructure where rapid assembly is required:

- **Irrigation Portability:** Enables fast assembly of lateral irrigation lines that are moved seasonally.
- **Temporary Fluid Transport:** Common in agricultural and industrial settings requiring quick reconfiguration of fluid delivery lines.