

How to use a small square pigtail flange



Article Overview

A small square pigtail flange is used to align and secure piping at a precise 90-degree angle, typically with the help of an alignment tool.

Purpose and Function

A small square pigtail flange is designed to connect pipes or fittings while ensuring proper orientation and alignment. Its square shape allows for easy positioning and bolting, and it is often used in situations where precise angular alignment is critical, such as in piping systems on ships or industrial installations .

Steps for Using a Small Square Pigtail Flange

- **Prepare the Pipe and Flange:** Ensure the pipe ends are clean, free of debris, and cut to the correct length. Check the flange for any damage or irregularities.
- **Use an Alignment Tool:** A flange alignment tool, sometimes referred to as a "square flange pigtail tool," is used to position the flange at exactly 90 degrees relative to the pipe . This ensures proper flow and prevents stress on the piping system.
- **Insert Gasket (if required):** Place a gasket between the flange faces to ensure a tight seal and prevent leaks. The gasket material should match the system's pressure and temperature requirements .
- **Bolt the Flange:** Insert bolts through the flange holes and tighten them gradually in a crisscross pattern to evenly distribute pressure and maintain alignment. This prevents warping or misalignment.

Article Content

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