

# DI DOUBLE FLANGE PIPE AS PER IS 8329

The **8329 DI Double Flange Pipe** is a robust and reliable solution for water treatment plants and water supply pipelines across India. These ductile iron (DI) pipes offer superior strength, longevity, and adaptability, making them a top choice for infrastructure projects where efficiency and safety are priorities.

## Why 8329 DI Double Flange Pipes Are Effective

- High Durability and Strength:** The DI material is known for its resilience under high pressure, which is essential in water treatment plants where constant water flow and pressure variations are common. The double-flanged design ensures a firm, leak-proof connection, providing better handling of pressures and reducing maintenance needs.
- Corrosion Resistance:** These pipes are highly resistant to corrosion, even in harsh environments with varying pH levels. This is crucial in water treatment plants, where contact with treated chemicals could otherwise deteriorate weaker materials.
- Flexibility and Easy Installation:** Double flange pipes can be easily assembled and disassembled, making repairs or replacements more manageable. They can be modified for specific site conditions, reducing time and labor costs and improving project efficiency.
- Protective Coatings for Longevity:** The 8329 DI Double Flange Pipe often comes with an additional protective coating, such as cement mortar or epoxy lining. These coatings prevent internal and external corrosion, further extending the pipe's life and safeguarding the quality of water being transported.
- Compliance with Standards:** The 8329 DI Double Flange Pipes comply with BIS (Bureau of Indian Standards), which ensures they meet the safety and performance standards essential for infrastructure projects in India.

## Enhanced Safety in Water Supply Applications

- Leak-Proof Sealing:** The double flange design minimizes the risk of leaks, which is vital for maintaining water quality and preventing contamination.
- High Pressure Handling:** These pipes can handle high-pressure flows without risk of bursting or cracking, ensuring a continuous and safe water supply.
- Longevity:** The robust build and corrosion-resistant properties of DI pipes contribute to a longer lifespan, reducing the frequency of replacements and ensuring a safe, reliable water supply over the years.

## Applications of 8329 DI Double Flange Pipes Across Sectors

- Water Treatment and Filtration Plants:** The high resistance to chemicals and pressure makes this pipe ideal for transporting both raw and treated water in municipal and industrial treatment facilities. It's widely used for connecting filters, clarifiers, and sedimentation tanks.
- Municipal Water Distribution Systems:** With its ability to handle high volumes and maintain water quality, the 8329 DI Double Flange Pipe is frequently used in urban

water supply networks. It ensures efficient water flow over long distances with minimal risk of contamination.

3. **Industrial Cooling and Processing Systems:** Industrial plants that rely on water for cooling and other processes benefit from these pipes due to their heat tolerance and resistance to mechanical stress, which is essential for continuous, heavy-duty operations.
4. **Agricultural and Rural Water Supply:** In rural areas, where consistent water supply is crucial for irrigation, these pipes provide reliable service, reducing interruptions and water losses. Their longevity also means lower replacement rates, which is cost-effective for rural communities.

## **Compliance and Standards**

The 8329 DI Double Flange Pipe is designed to meet stringent standards, including those from the Bureau of Indian Standards (BIS) and international standards for water infrastructure. Compliance ensures that the pipes meet quality, durability, and safety requirements for public water systems, making them trusted components in critical water projects.