

## **IS 1729:2023- SAND CAST IRON SPIGOT AND SOCKET PIPES, FITTINGS AND ACCESSORIES**

The Indian Standard IS 1729:2023 provides a structured guideline to manufacture, test, and apply sand cast iron pipes and accessories to promote uniformity, durability, and reliability in plumbing and drainage systems. The guidance helps maintain product quality and assures compatibility with existing systems, reducing the risk of leakage or failure and enhancing the overall safety and efficiency of water management systems.

This standard was first published in 1964 and subsequently revised in 1979 and 2002, respectively. This standard lays down requirements for the manufacture, Soundness test, leakage test and dimensions to provide consumers with a superior quality product.

Benefits ensured by the IS 1729 certified Sand Cast Iron Spigot and Socket Pipes

1. **Durability:** Cast iron has excellent corrosion resistance and longevity, making it ideal for long-term infrastructure.
2. **Sound Insulation:** Cast iron's density helps reduce sound transmission, which is beneficial for residential and commercial buildings.
3. **High Strength:** These pipes withstand mechanical stress and impact, suitable for underground and high-traffic areas.
4. **Fire Resistance:** Cast iron is non-combustible, adding a layer of safety, especially in multi-story buildings.
5. **Sustainability:** Made from recyclable materials, these components support eco-friendly practices.

Sand cast iron spigot and socket pipes and accessories are widely used in:

- **Sanitary Plumbing:** Safe waste removal in homes, offices, and industries.
- **Drainage Systems:** Effective rainwater management in urban and rural infrastructures.
- **Sewage Disposal:** Reliable sewage transport in public and private sewage systems.
- **Industrial Wastewater Systems:** Resilient to moderate chemical exposures, making it suitable for industrial drainage.