

IS 15905:2024- Hubless Centrifugally Cast (Spun) Iron Pipes, Fittings and Accessories — Spigot Series

IS 15905:2024 specifies the requirements for hubless centrifugally cast (spun) iron pipes, fittings, and accessories in the spigot series. These products are widely used in plumbing, drainage, sewerage, and industrial systems, providing a durable, efficient, and space-saving solution for non-pressurized applications. The hubless design allows for a compact and versatile connection through couplings, simplifying installations and reducing the need for bulky joints.

This standard was first published in 2011. It provides requirements pertaining to dimensions, joints, crush test, hydrostatic tests which provides the consumers with greater quality.

Benefits of Hubless Centrifugally Cast Iron Pipes

1. **Space-Efficiency:** The hubless design allows easy, compact installation without bulky socket joints, ideal for confined areas.
2. **Strength and Durability:** The centrifugal casting process results in a dense, uniform iron structure with high strength and corrosion resistance.
3. **Simplified Installation:** The use of couplings enables quicker and more flexible connections, reducing installation time and labor.
4. **Cost-Effective:** Hubless pipes require fewer materials for jointing, making them economical over long-term use.
5. **Environmental Benefits:** Made from recyclable iron, they support sustainable practices in construction and infrastructure.

Hubless centrifugally cast iron pipes and accessories are suitable for:

- **Sanitary Drainage Systems:** Reliable waste removal in commercial, industrial, and residential buildings.
- **Sewer Systems:** Efficient transport of sewage in urban and rural systems.
- **Industrial Waste Management:** Handling wastewater with moderate chemical content.
- **Rainwater Disposal Systems:** Effective in collecting and disposing of rainwater in high-density areas.