

IS 3589:2001 (Steel pipes for water and sewage (168.3 To 2540 Mm Outside Diameter) - Specification (Third Revision))

IS 3589: 2001 sets forth the specifications for steel pipes used in the transportation of water and sewage, covering a wide range of diameters from 168.3 mm to 2540 mm. This standard is suitable for various applications, from municipal water systems to large-scale industrial sewage systems.

For water and sewage systems, consumers prioritize pipes that are highly durable, resistant to corrosion, and reliable in a range of environmental conditions. These pipes should also be able to withstand high pressure and provide a long operational life with minimal maintenance requirements.

The standard meets these demands by requiring high-grade steel and the application of protective coatings to prevent corrosion. It also defines rigorous material and manufacturing specifications, ensuring dimensional accuracy and mechanical properties like tensile strength and ductility, which help the pipes endure the stresses of transport and installation in challenging environments.