



## **Indian Standard IS 10577 : 1982-Specification for lancing pipes**

**Lancing pipes** are specialized pipes used primarily in the steel industry for injecting oxygen or other gases into molten metal baths, such as in steelmaking or other high-temperature processes. **Made from mild steel**, these pipes facilitate the **oxidation** process, which helps purify and refine the molten metal. Lancing pipes are designed to withstand high temperatures and can be configured with plain or threaded ends, depending on specific operational needs. One expects that lancing pipe should have good durability and strength, good material properties , good workmanships etc

**Indian standard IS 10577 : 1982** developed by the **Bureau of Indian Standards** covers the requirements of butt-welded, screwed and socketed and plain end mild steel pipes intended for **use on oxygen lancing**.

Key Aspects outlined by IS 10577 includes **manufacturing process ,dimensions, mass , tolerances on mass and dimensions, Quality and Strength Testing (hydraulic testing), Material Specifications, Marking and Classification.**