

Ductile Iron Pipes



Description

Standard

- DI Pipes – ISO 2531-1998/EN 545 – 2006
- Flanges – ISO 7005-2/EN 1092-2
- Cement Mortar Lining – ISO 4179
- Metallic zinc with Bitumen – ISO 8179-1/ BS 3416

Material

- Ductile Iron – K9 (Socket – Push on, Spigot, Flanged Ends)

Application

Potable water transmission and distribution due to its higher strength and corrosion resistance.

Specification

Material	Pipes Centrifugally Cast	Pipes Not centrifugally Cast, Fittings and Accessories
Minimum tensile strength (Mpa)	420	420
Minimum yield strength (Mpa)	300	300
Minimum elongation after fracture (%)	10	5
DN 40 to DN 1000	7	5
DN 1100 to DN 2600		

- ✓ Internal Pressure – C class, Circular and uniform thickness of pipes
- ✓ Raised Face Flanges. Rotatable Flanges up to DN 600
- ✓ Pipes internally lined in accordance with ISO 4179 with sulphate resisting blast furnace slag cement mortar.
- ✓ Pipes externally coated with metallic zinc and bituminous coating layer or polyurethane to DIN 30671. Metallic Zinc and Bitumen with a minimum DFT of 100 micron.
- ✓ Internal surface of the socket bell painted with non-toxic fusion bonded epoxy coating with DFT of 300 microns or zinc rich paint 150g/m2 plus a layer of bituminous paint to a minimum DFT of 100 microns and total average of 120 microns.