

(PREVIEW)

IS 8329 : 2000

Indian Standard

**CENTRIFUGALLY CAST (SPUN) DUCTILE IRON
PRESSURE PIPES FOR WATER, GAS
AND SEWAGE- SPECIFICATION**

(Third Revision)

I SCOPE

1.1 This standard specifies the requirements and associated test methods applicable to ductile iron pipes manufactured in metal (lined or unlined) or sand moulds and their joints for the construction of pipe lines:

- to convey water, sewage or gas
- to be installed below or above ground
- operated with or without pressure

NOTES

1 By sand it is to be understood. Sand or mineral based materials used in foundry trade irrespective of the type of bonding agents.

2 All pressures are relative pressures expressed in MP. (IMPa – 10 bar).

1.2 This standard also specifies requirements for materials, dimensions and tolerances, mechanical Properties and standard coatings and linings of ductile iron pipes.

1.2.1 This standard does not restrict the use of other types of joints or future developments of other joints as long as overall dimensions are maintained for reasons of safety and interchangeability.

1.3 The standard applies to pipes, which are:

manufactured with socketted, flanged or spigot ends for jointing by means of various types of gaskets, which are not within the scope of this standard, and normally to be delivered externally and internally lined and are suitable for fluid temperatures between 0°C and 50°C, excluding frost.

1.4 This standard does not include the provisions for fittings used with the pipes conforming to this standard. A separate standard IS 9523 covers the specification on such fittings.

1.5 Fittings conforming to IS 13382 may also be used with ductile iron pipes, when the pressure requirements matches.

2 REFERENCES

The following Indian Standards contain provisions, which through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

IS NO.
455 : 1989

Title
Portland slag cement (*fourth*
revision)

638 : 1979	Sheet rubber jointing and rubber insertion jointing (<i>second revision</i>)
1387: 1993	General requirements for supply of metallurgical materials (<i>second revision</i>)
1500: 1983	Methods(or Brinell hardness test for metallic materials(<i>second revision</i>)
1608 : 1995	Mechanical testing of metals Tensile testing (<i>second revision</i>)
5382 : 1985	Rubber sealing ring for gas mains, water mains and sewers (<i>first revision</i>)
6452 : 1989	Specification for high alumina cement for structural use
6909 : 1990	Specification for supersulphated cement
8112 : 1989	43 grade ordinary Portland cement (<i>first revision</i>)
9523 : 1980	Ductile iron fittings for pressure pipes for water, gas and sewage
11606: 1986	Methods of sampling of cast iron pipes and fittings
12330: 1988	Sulphate resisting Portland cement
13382: 1992	Cast iron specials for mechanical and push-on-flexible joints for pressure pipelines for water, gas and sewage