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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

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Replacing GB/T 26081-2010

**Ductile iron pipes, fittings and accessories for sewerage
applications**

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Table of Contents

Preface	
1 Scope	1
2 Normative references	1
3 Terms and Definitions	2
4 Technical requirements	6
4.1 General	6
4.2 Classification of pipelines	7
4.3 Size	8
4.4 Inspection well	11
4.5 Material properties	13
4.6 External coating and lining	14
4.7 Sealing requirements	16
5 Performance requirements	17
5.1 Flexible interface tightness	17
5.2 The tightness of the well chamber	18
5.3 Longitudinal flexural strength of pipe	18
5.4 Radial stiffness of tubes	19
5.5 Chemical resistance	21
5.6 Wear resistance	21
6 Detection method	21
6.1 Size	21
6.2 Straightness of tubes	22
6.3 Tensile test	22
6.4 Brinell hardness	24
6.5 Factory leak test for pipes and fittings	24
6.6 Surface quality	25
7 Type test	25
7.1 Tightness of flexible interface	25
7.2 The tightness of the well chamber	27
7.3 Longitudinal flexural strength	27
7.4 Radial stiffness	27
7.5 Chemical resistance	28

7.6 Abrasion resistance	29
8 Inspection rules	29
8.1 Inspection and acceptance	29
8.2 Batch rules	29
8.3 Sample size	29
9 Identification and Quality Certificate	30
9.1 Identification	30
9.2 Quality certificate	30
10 Size table	30
10.1 Socket tube	30
10.2 Fittings	31
Appendix A (informative) The comparison between this document and the ISO 7186.2011 structure number	43
Appendix B (informative) Technical differences between this document and ISO 7186.2011 and their reasons	48
Appendix C (informative) allowable pressure	53
Appendix D (informative) Dimensions of pressure grade pipes	54
Appendix E (Normative) Wall Thickness, Radial Stiffness and Radial Deformation of Tubes	56
E.1 General	56
E.2 Radial stiffness and radial deformation	56
Appendix F (informative) External anti-corrosion	60
Appendix G (Normative) Identification method of aluminate cement mortar lining	61
G.1 Method A	61
G.2 Method B	61
Appendix H (Informative) Internal Anticorrosion	62
Appendix I (informative) safety factor	64
Appendix J (Normative) Quality Assurance	65
J.1 General	65
J.2 Type test	65
J.3 Quality control	65
Appendix K (informative) On-site inspection and acceptance	66
K.1 General	66
K.2 Inspection and acceptance items and requirements Clause	66
K.3 Judgment and re-inspection rules	66
Reference	67

foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules for Standardization Documents" drafting.

This document replaces GB/T 26081-2010 "Ductile Iron Pipes, Fittings and Accessories for Sewage". Compared with GB/T 26081-2010, except

Apart from structural adjustments and editorial changes, the main technical changes are as follows.

--- Increased and changed the description of some terms and definitions (see Chapter 3, Chapter 3 of the.2010 edition);

---Change the specified upper limit of the nominal diameter of the pipeline from DN2600 to DN3000, and add the relevant specifications of DN2800 and DN3000

Technical requirements (see 4.1.1.2, 4.1 of the.2010 edition);

--- Added the technical requirements for grading pipes according to their wall thickness (see 4.2.1);

---Changed the corresponding specification range of the preferred pressure level, and basically ensured that the wall thickness of the pipe in this document is consistent with ISO 7186 and

Harmonization of GB/T 13295 (see 4.2.5, 5.1.4 of the.2010 edition);

--- Deleted the technical requirements for gravity flow tubes (see 5.1 of the.2010 edition);

---Changed the zinc coating weight requirements for pressure rating pipes in low-corrosion environment (see 4.6.2.1, 6.2.2.1 of the.2010 edition);

--- Added the requirement that aluminate cement mortar lining should be used for conveying sewage, and added the identification method of aluminate cement mortar lining

Law (see 4.6.3.1 and Appendix G);

--- Added the requirements for the seal type test of the interface under cyclic pressure (see 5.1.5);

--- Increased inspection well structure, size requirements and test methods (see 4.4, 6.5.1.3 and 10.2.7).

This document is modified to adopt ISO 7186.2011 "Ductile Iron Products for Drainage Engineering".

Compared with ISO 7186.2011, this document has more structural adjustments. For the

comparison list of structural number changes between the two documents, see

Appendix A.

Compared with ISO 7186:2011, this document has more technical differences, and vertical single

Lines (|) are marked. See Appendix B for a list of these technical differences and their causes.

The following editorial changes have been made to this document.

---Modify the name of the standard to "Ductile Iron Pipes, Fittings and Accessories for Drainage Engineering";

--- Added Appendix C (informative) allowable pressure;

--- Increased the size of the pressure grade pipe in Appendix D (informative);

--- Changed Appendix F (informative) external anti-corrosion;

--- Changed the internal anti-corrosion of Appendix H (informative);

--- Added Appendix I (informative) safety factor;

--- Added Appendix K (informative) on-site inspection and acceptance.

Please note that some contents of this document may refer to patents. The issuing agency of this document assumes no responsibility for identifying patents.

1 Scope

This document specifies the requirements for ductile iron pipes, fittings and accessories for external drainage works of buildings produced by any casting process or processing

Technical requirements, performance requirements, testing methods, type tests, inspection rules, marks, quality certificates and dimension tables, etc.

This document applies to those containing sockets, spigots or flanges, generally delivered in the internal and external coated state, the size range is nominal diameter

DN80~DN3000 ductile iron pipes, pipe fittings (hereinafter referred to as "pipes" and "pipe fittings") and accessories, the scope of application is as follows.

---Operate under no pressure, positive pressure or negative pressure;

---Installed on the ground or underground;

---Split transport or combined transport of rainwater, sewage, and certain types of industrial wastewater.