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

中华人民共和国国家标准

GB/T 4623-2006

Replace GB 396-1994, GB 4623-1994

Circular concrete pole

环形混凝土电杆

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Contents

1 Scope	1
2 Normative References	1
3 Terms and Definitions	2
4 Classifications	3
5 Raw material and structure	10
6 Requirements	12
7 Test methods	16
8 Inspection Rules	17
9 Mark and Certificate of Merchandise	19
10 Store and transport	20
Appendix A (Normative) Mechanical Property Test Method of Pole	22
A.1 Application scope	22
A.2 Specimen	22
A.3 Test Instruments and Equipments	22
A.4 Test Method	23
A.5 Loading Procedures	24
A.6 Test Result Calculation	25
A.7 Test Result Evaluation	28
Figure 1 Schematic diagram of tapered rod and diameter pole	3
Figure 2 Fulcrum Position Schematic Diagram of Pole	21
Table 1 Cracking inspection bending moment of the whole reinforced concrete taper pole unit kN.m	4
Table 2 cracking inspection bending moment of assembly reinforced concrete taper pole unit kN.m	6
Table 3 cracking inspection bending moment of the whole piece of prestress, partially pressed concrete taper pole unit kN.m	7
Table 4 cracking inspection bending moment of the whole piece of prestress, partially pressed concrete taper pole unit kN.m	8
Table 5: Cracking inspection bending moment of diameter pole	10
Table 6 Appearance quality requirements	13
Table 7 Dimension allowable deviation	15
Table 8 Inspection tools and inspection method of appearance quality and dimension	16

Foreword

This standard is finished on the basis of actual production and use present situation of domestic circular concrete pole and by integrating and revising former national standard GB 396-1994 "Circular reinforced concrete pole" and GB 4623-1994 "Circular prestressed concrete pole" This standard refers to such foreign standards as Japanese Industrial Standard JISA 5309: 1995 "centrifugal prestressed concrete pole", American standard ASTM C1089:1997 "centrifugal compaction prestressed concrete pole"

This standard replaces GB 396-1994 and GB 4623-1994.

The main differences between GB 396-1994, GB 4623-1994 and this standard are:

- The name of the standard is revised as "circular concrete pole"
- The scope of the pole covers circular reinforced concrete pole, prestressed concrete pole and partial prestressed concrete pole;
 - Part of normative references has been adjusted;
 - A series of specifications for pole have been adjusted, part of big bending moment poles have been increased (chapter 4);
 - Technical requirements contents have been further improved (chapter 6);
 - Concrete compression test method has been revised (Chapter 7);
 - Inspection lot and decision rules have been revised (chapter 8).

The Appendix A hereof is the normative appendix.

This standard is proposed by China Building Material Industry Association.

This standard is under jurisdiction of Cement Product of National Technical Committee (SAC/TC 197).

This standard is drafted by Suzhou Concrete Cement Products Research Institute, Suzhou Sinoma Architecture and Building Materials Design Institute.

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This standard is explained by entrusting Suzhou Concrete Cement Products Research Institute, Suzhou Sinoma Architecture and Building Materials Design Institute.

This standard replaces the previous versions:

——GB 396—1984, GB 396—1994;

——GB 4623—1984, GB 4623—1994.

Circular Concrete Pole

1 Scope

This standard specifies classification, requirements, test methods, inspect rules, Mark and certificate of merchandise, storage and transportation of circular concrete pole.

This standard is applicable to power, communication and contact line overhead line of electric pole, lighting support and signal post. Such other components as pole arm, chuck, and chassis of electric pole are not included.

2 Normative References

The following standards contain provisions which, through reference in this text, constitute provisions of this national standard. For dated reference, subsequent amendments (excluding amending error in the text) to, or revisions of, any of these publications do not be applied. However, the parties whose enter into agreement according to these specifications are encouraged to research whether the latest editions of these references are applied or not. For undated references, the latest edition of the normative document is applicable to this national standard.

- GB 175 Portland cement and ordinary portland cement
- GB 199 Rapid harding portland cement
- GB 748 Sulfate resistance Portland cement
- GB 1344 Portland blastfurnace-slag cement portland pozzolana cement and portland fly-ash cement
- GB 1499 Hot rolled Ribbed steel bars for the reinforcement of concrete (GB 1499—1999, neq ISO 6935-2:1991)
- GB/T 5223—2002 Steel wires for the prestressing of concrete (ISO 6934-2; 1991, NEQ)
- GB/T 5223.3—2005 Steel bars prestressed concrete (ISO 6934-3; 1991, MOD)
- GB/T 5224—2003 Steel strand for prestressed concrete (ISO 6934-4; 1991, NEQ)
- GB 8076 Concrete admixtures
- GB 13013 Hot rolled plain steel bars for the reinforcement of concrete
- GB/T 14684 Sand for building
- GB/T 14685 Pebble and crushed stone for building
- GB/T 50081—2002 Standard for test method of mechanical properties on ordinary concrete
- GB 50204—2002 Code for acceptance of constructional quality of concrete structures
- GB J 107—1987 Inspection and evaluation of concrete strength
- JGJ 19—1992 Code for design and construction of cold-drawn steel wire pressed concrete member
- JGJ 63 Standard of water for concrete

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