

JG

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

JG 225-2007

**Corrugated metal dusts for prestressee concrete
(English Translation)**

Issued on: September 4, 2007

Implemented on: February 1, 2008

Issued by: Ministry of Construction of the People's Republic of China

Table of Contents

Foreword...	3
1 Scope...	5
2 Normative references...	5
3 Classification and marking...	5
4 Requirements...	6
5 Test methods...	9
6 Inspection rules...	13
7 Packaging, marks...	15
8 Transport, storage...	15
9 Use...	16

4.5 and 4.6 of this Standard are mandatory; the rest are recommendatory.

Since the implementation of this Standard, it replaces JG/T 3013-1994 Metal spiral sheath for prestressed concrete.

Compared with JG/T 3013-1994, main technical changes in this Standard are as follows.

2 corrugated metal ducts are divided into standard type and enhanced type

according to rigidity; standard type and enhanced type are basically identical; enhanced type is the content added;

4 added the minimum overlap width of the folded seam of corrugated metal

ducts;

5 modified dimensional and tolerance requirements for round ducts and flat

ducts;

8 modified the concentrated load value and uniform load value of radial

rigidity test of flat ducts;

10 modified resistance to leakage of the length of the specimen and test

method of corrugated metal ducts;

11 deleted the anti-leakage performance test of specimen after bearing

uniform load;

12 modified quality assurance documentation requirements for exit-factory

products;

13 improved product transport and storage requirements; added stack height

limit of corrugated metal ducts;

16 modified an annex. Annex A Quality inspection table of corrugated metal

ducts for prestressed concrete which is informative;

17 added an annex. Annex B Selection table of corrugated metal ducts for

prestressed concrete which is informative.

This Standard was proposed by Institute of Standard Quota of Ministry of Construction of China.

This Standard shall be under the jurisdiction of China Building Research Institute (the jurisdiction organization specially for standard in construction engineering of Ministry of Construction).

Main drafting organization of this Standard. China Building Research Institute.

The drafting organizations of this Standard. Zhejiang Institute of Architectural Science Design & Research Co., Ltd., Kaifeng Strong Anchoring Technology Co., Ltd., Henan Hongqiao Prestressed Manufacturing Co., Ltd.

Main drafters of this Standard. Li Dongbin, Dai Weiming, Huo Tingbo, Li Guozhu, Qiao Yongli.

This Standard was issued on October 1994 for the first time. This is the first revision.

Corrugated metal ducts for prestressed concrete

1 Scope

This Standard specifies the classification and marking, requirements, test methods, inspection rules, packaging, marks, transport, storage and use of corrugated metal ducts for prestressed concrete.

This Standard is applicable to metal ducts of reserved hole which are made by plated or non-plated low-carbon steel with a screw folded seam and used in post-tensioned prestressed concrete structural pieces.

2 Normative references

The following standards contain the provisions which, through reference in this Standard, constitute the provisions of this Standard. For dated references, subsequent amendments (excluding corrections) or revisions do not apply to this Standard. However, the parties who enter into agreement based on this Standard are encouraged to investigate whether the latest versions of these documents are applicable. For undated reference documents, the latest versions apply to this Standard.

GB 716 Cold-rolled carbon structural steel strips

GB/T 2518 Continuously hot-dip zinc-coated steel sheet and strip

3.1 Classification

Corrugated metal ducts for prestressed concrete are divided into standard type and enhanced type according to radial rigidity, round and flat according to sectional shape, dual-wave and multi-wave according to the number of raised corrugations between each two adjacent folded bites.

3.2 Marking

The mark of corrugated metal ducts for prestressed concrete consists of three parts. code, diameter size and radial rigidity category.

6.3.1 In case of one of the following situations, type inspection shall be required.

- a) stereotypes production identification of new products or old products to the trial production;
- b) after the official production, when great changes in materials, equipment, technology, etc. may affect product performance;
- c) type inspection should be carried out once every 2 years during normal production;
- d) when production is resumed after production discontinuation lasts for more than six months;
- e) great difference between exit-factory inspection results and the previous type inspection;
- f) when state quality supervision organization requires.

6.3.2 Batching

Among corrugated ducts of same corrugated amount, of same cross-sectional shape, of same stiffness characteristics, select three products of typical specifications for the inspection.