

ICS 91.060.20

CCS P32



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

GB/T 14040-2007

Replacing GB 14040-1993

Prestressed concrete hollow-core slabs

预应力混凝土空心板

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Standardization Administration of China**

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Foreword

From the date of implementation of this standard instead of GB 14040-1993 "prestressed concrete hollow slab." This standard compared with GB 14040-1993, the main changes are as follows:

- Increased prestressed lightweight aggregate concrete hollow core slab.
- Increasing the height of 150mm, 200mm, 240mm, 250mm, 300mm, 360mm, 380mm prestressed coagulation Hollow Earth.
- Cancellation of the plate edge semicircular trough.
- Increasing the hole as a hole-shaped hollow profiled plate, and no provisions hollowness limits.
- Tendons should be adopted standard value 1570MPa strength steel wire spiral rib, the strength of the standard value of Chiku steel 1860MPa Wire, but also use other standard strength of not less than 1470MPa spiral ribbed steel wire and strand.
- Canceled uniform provisions for tendons extended length. Appendix A of this standard is an informative annex. The standard proposed by the People's Republic of China Ministry of Construction. This standard is under the jurisdiction of the Ministry of Construction building products Standardization Technical Committee on products and components and parts. This standard was drafted. China Building Standard Design and Research Institute, China Academy of Building Research, Xing Yu Shandong Machinery Technology Co., Ltd. Green Island in the new century prefabricated Co., Ltd. Laiwu Gelai Wei concrete products. The main drafters of this standard. Li Xiaoming, Wang Xiaofeng, Xu neighbors, Guoxing Yu, Sun Xueming, Zhangyan Tao. This standard replaces the standards previously issued as follows:
 - GB 14040-1993. Prestressed concrete hollow slab

1 Scope

GB/T 14040-2007 is the Chinese national standard on prestressed concrete hollow-core slabs, in the field of construction materials and building. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a

contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 11 September 2007 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 February 2008. Classification: ICS 91.060.20, CCS P32. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the prestressed concrete hollow slab Size and marking requirements, test methods, inspection rules, marking, stacking and transport Lose, product certification. This standard applies to the use of technology, the first-tensioned prestressed concrete hollow plate (hereinafter referred to as hollow), used in general building construction Floor and roof.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB 175 Common Portland Cement

GB/T 700 carbon structural steel

GB 701 low-carbon hot-rolled rods

GB 1499 reinforced concrete rolled ribbed bar

GB/T 5223 prestressed concrete steel wire

GB/T 5224 prestressed concrete strand

GB 13013 reinforced concrete rolled plain bars

GB/T 50081 mechanical properties of ordinary concrete test method standards

GB 50119 concrete admixture technical specifications

GB 50204 Construction Quality Acceptance of Concrete Structure Engineering GB J107

Concrete Strength Inspection and Evaluation Standards GB J146 fly ash concrete

application of technical specifications JGJ51 lightweight aggregate concrete technical

specification JGJ52 ordinary concrete sand quality standards and test methods JGJ53

ordinary concrete with gravel, pebbles quality standards and test methods JGJ56 concrete

water reducer quality standards and test methods JGJ63 concrete mixing water standards

3 Size and mark

3.1 Size Size should be the main hollow plate

3.1.1 Table 1 uses. Table 1 hollow main Size Height/mm logo width/mm mark length/m 120
500,600,900,1200 2.1,2.4,2.7,3.0,3.3,3.6,3.9,4.2,4.5,4.8,5.1,5.4,5.7,6.0 150 600,900,1200
3.6,3.9,4.2,4.5,4.8,5.1,5.4,5.7,6.0,6.3,6.6,6.9,7.2,7.5 600,900,1200
4.8,5.1,5.4,5.7,6.0,6.3,6.6,6.9,7.2,7.5,7.8,8.1,8.4,8.7,9.0