



CECS 113: 2000

**China Engineering Construction Standardization
Associational Standards**

中国工程建设标准化协会标准

Specification For design of Sawtooth Intake

锯齿取水头部设计规程

2000 Beijing

China Engineering Construction Standardization Associational Standards

Specification for Design of Sawtooth Intake

CECS 113: 2000

Chief editorial units: Southwest Municipal Engineering Design & Research
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Foreword

This Specification is formulated according to the requirement of the *Letter on Issuing the 1997 Preparation Plan of the Recommended Standard* (No. **06** JBX Zi (**97**)) of the China Engineering Construction Standardization Association.

Sawtooth intake is a kind of intake of new mode developed by our country in **1982-1984**. Currently, it has already been popularized and applied in our country and it has obtained obvious technical and economic effect in the newly-built (expended) construction engineering and the currently-rebuilt engineering. This Specification is prepared in accordance with the engineering practical experience of **26** sawtooth water intake.

Hereby approve the Association standards *Specification for Design of Sawtooth Intake*, **No. CECS 113: 2000**, recommend to engineering construction design and construction units to use. This Specification is under the jurisdiction of the Urban Water Supply and Drainage committee of the China Engineering Construction Standardization Association and Southwest Municipal Engineering Design & Research Institute of China (address: No.**81**, Caojia Lane, Chengdu City, postal code: **610081**) is responsible for explaining it. Please send suggestions and materials to interpretation unit if parts are found need to be modified or supplied in use.

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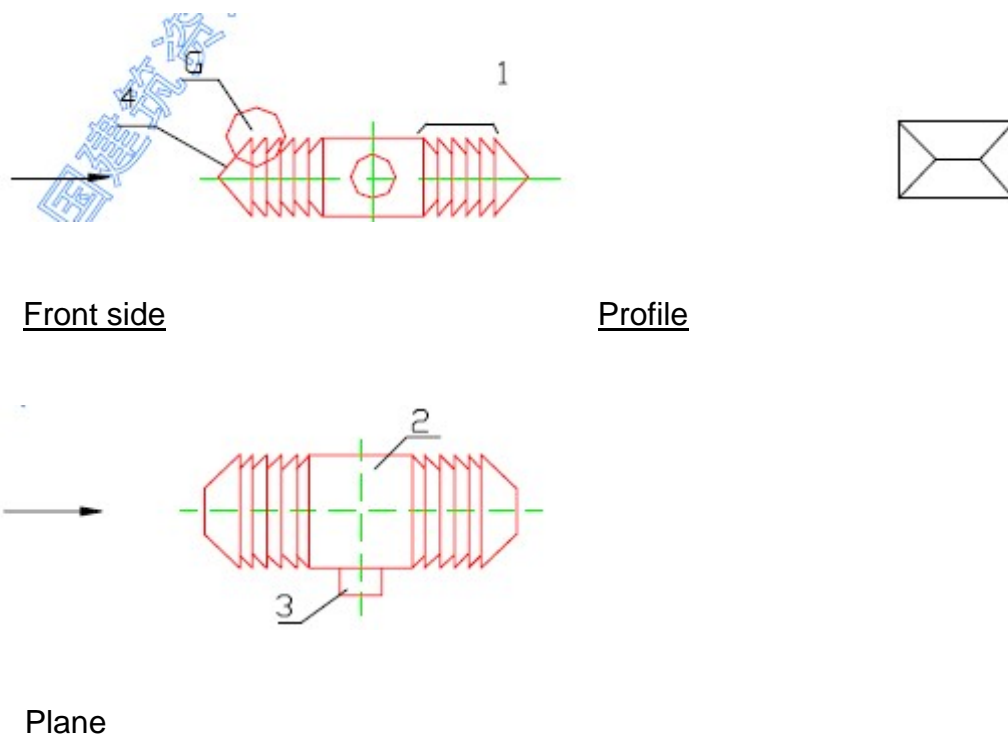
1. General Provisions

1.0.1 For the rational design of sawtooth water intake, we formulate this Specification so as to accommodate the construction of water intake works of river with multi-floats.

1.0.2 The Specification applies to the process design of sawtooth water intake. Sawtooth water intake is suitable for water intaking from rivers with multi-floats (such as straws, weeds, leaves and branches of tree, roots, barks, etc.) and a suitable flow rate and depth.

1.0.3 Sawtooth water intake can be bull-type and single headed (Figure **1.0.3 a.b**). Sawtooth segment (Figure **1.0.3 c**) can replace the water intake hole of water intake structure water-collecting well on shoreside and mushroom-shaped and other water intake head.

1.0.4 The process design of the sawtooth intake, in addition to complying with this Specification, shall also be in line with the relevant provisions of the national current standard *Code for Design of Outdoor Water Supply Engineering* **GBJ 13-86** (1997 version).



1—Sawtooth segment; 2—Water collector; 3—Discharging tube;
4—Backwater plane;



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