

ICS 77.140.60

CCS H 44



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

GB/T 42355.1-2023

**Headed bars for the reinforcement of concrete - Part 1:
Requirements**

Issued on: March 17, 2023

Implemented on: October 1, 2023

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

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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 is the first part of GB/T 42355 "Anchor plate reinforcement for reinforced concrete": GB/T 42355 has issued the following

part:

--- Part 1: Technical conditions;

--- Part 2: Test methods:

This document is modified to adopt ISO 15698-1:2012 "Reinforced Concrete Anchorage Plate Reinforcing Part 1 Technical Conditions":

Compared with ISO 15698-1:2012, this document has more technical differences, and vertical

Straight line (|) is marked: See Appendix A for a list of these technical differences and their causes:

The following editorial changes were made to this document:

--- The standard name was changed from ISO three-stage to two-stage;

--- Replaced "References":

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

Introduction

GB/T 42355 "Anchor Plate Rebar for Reinforced Concrete" is a sub-technical committee of Steel for Reinforced Concrete of the National Steel Standardization Technical Committee

It is one of the steel bar series standards that the Committee (hereinafter referred to as the "Committee") is responsible for formulating and revising: GB/T 42355 aims to standardize anchor plates for reinforced concrete

The classification, order content, technical requirements, quality inspection, test methods, inspection rules, etc. of steel bars are composed of two parts:

--- Part 1: Technical conditions: The purpose is to specify the technical requirements for anchorage plate reinforcement for reinforced concrete structures:

--- Part 2: Test methods: The purpose of this specification is to specify methods of test for anchor plate reinforcement for reinforced concrete structures:

These two parts of the standard are complementary to each other, the first part belongs to the product standard, and the second part is the test verification method of the first part:

Anchor Plate Rebar for Reinforced Concrete

Part 1: Technical conditions

1 Scope

This document specifies the symbols, technical requirements, classification, quality inspection, and production requirements for anchor plates and anchor plates for reinforced concrete structures:

requirements, test requirements:

This document applies to anchor plates and anchor plates for reinforced concrete:

This document does not apply to products where the ends of bars and bars or other steel members perpendicular to them are anchored by field welding:

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text: Among them, dated references,

Only the version corresponding to the date applies to this document; for undated references, the latest version (including all amendments) applies to this document

document:

GB/T 1499:1 Steel for reinforced concrete Part 1: Hot-rolled plain round steel bars (GB/T 1499:1-2017, ISO 6935-1:

2007,NEQ)

GB/T 1499:2 Steel for reinforced concrete Part 2: Hot-rolled ribbed steel bars (GB/T 1499:2-2018, ISO 6935-2:

2015,NEQ)

GB/T 5313-2010 Steel plates with properties in the thickness direction

GB/T 42355:2 Anchor plate reinforcement for reinforced concrete Part 2: Test method (GB/T 42355:2-2023,

ISO 15698-2:2012, MOD)

JGJ18 Reinforcement Welding and Acceptance Regulations

JGJ/T 27 Standard for Test Methods of Welded Reinforcement Joints

3 Terms and Definitions

The following terms and definitions apply to this document:

3:1

Anchor plate head

The pressure-bearing plate installed at the end of the steel bar to anchor the steel bar:

3:2

Anchor plate reinforced headedbar

A bar with steel anchor plates at one or both ends, used to anchor bars in concrete: