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**CERTIFICATION AND ACCREDITATION INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

RB/T 059-2020

**Technical specifications for application assessment of anchor
channels system
(English Translation)**

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Table of Contents

Foreword	
Introduction	
1 Scope	
2 Normative references	
3 Terms and definitions	
4 Evaluation object	
4.1 Channel	
4.2 Anchor	
4.3 T-bolt pair	
4.4 Trough embedded parts	
5 Evaluation of applicable environment and conditions	
5.1 Evaluation of applicable environment	
5.2 Evaluation applicable conditions	
6 Review content	
6.1 Channel	
6.2 Anchor	
6.3 T-bolt pair	
6.4 Trough Embedded Parts System	
7 Evaluation method	
7.1 General provisions	
7.2 Static load bearing performance of the channel	
7.3 Static load bearing performance of anchors	
7.4 Static load bearing performance of T-bolt pairs	
7.5 Static load bearing performance, normal service limit displacement, fire resistance and fatigue performance of the trough embedded part system	
8 Evaluation results	
Appendix A (informative appendix) Slot type embedded part system design data sheet	
Appendix B (informative appendix) Failure form of trough embedded part system	
Appendix C (Normative Appendix) Performance Test Method of Trough Embedded Parts System	
Appendix D (informative appendix) System evaluation report template for trough embedded parts	

Appendix E (informative appendix) Test report template for trough embedded parts system

Reference

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009:

This standard was proposed and managed by the National Certification and Accreditation Administration Committee:

Drafting organizations of this standard: China Academy of Building Research Co., Ltd., China Railway Second Academy Engineering Group Co., Ltd., Guangzhou Metro Design Research Institute Co., Ltd., Beijing Urban Construction Design and Development Group Co., Ltd., HALFEN (Beijing) Construction Accessories Sales Co., Ltd., Xili DE (Shanghai) Co., Ltd., Sinopec Jiang Diamond Oil Machinery Co., Ltd., China Railway Longchang Railway Equipment Co., Ltd., Jiangsu Construction Engineering Quality Testing Center, Shandong Antaike Engineering Materials Co., Ltd., Guangdong Jianlang Hardware Products Co., Ltd., GEODIS (Beijing) Construction Technology Co., Ltd., Fischer (Taicang) Building Anchor Co., Ltd., Jiangsu Huatong New Energy Technology Co., Ltd., Henan Dasen Mechanical and Electrical Co., Ltd., Hebei Yixin Fastener Co., Ltd., Fasda (Dalian) Industrial Group Co., Ltd., Shandong Lanqiao Engineering Materials Co., Ltd., Xi'an Huaqiang Engineering Materials Co., Ltd.

Co., Ltd., Shengnian Technology Co., Ltd., Shanghai Dingrui Steel Engineering Technology Co., Ltd., Wuhan Institute of Material Protection:

Introduction

In recent years, with the continuous improvement of the degree of industrialization in the field of construction engineering, trough embedded parts systems have been used in construction, rail transit, urban pipe corridors, etc:

The infrastructure field is gradually adopted, and the stakeholders of the construction project pay more attention to the application performance of the trough embedded part system: In order to satisfy the construction this standard is formulated in the design project for the quality and technical guarantee requirements of the trough embedded parts system and promote the development of international trade:

The trough embedded part system is different from standardized products in the traditional sense, and its performance is not only determined by the trough embedded part product itself, because Therefore, there is a need to evaluate the system performance through certification in the project: European and American certification and evaluation agencies

have formulated system evaluation of trough embedded parts Standards are used to guide certification work: According to the technical characteristics of the channel embedded part system in different construction engineering fields, this standard mainly stipulates the evaluation technology methods generally applicable to the system are presented: At the same time, the design, production, and inspection of the grooved embedded parts system can be used as reference:

This standard is included in the third topic "Architecture" in the:2016 13th Five-Year National Key Research and Development Program "Key Technologies for Industrial Building Inspection and Evaluation":

On the basis of the research on the quality certification and certification technology system of parts and components, refer to the certification and accreditation industry standard "Prefabricated building parts and the classification of "General Specification for Component Certification" is based on a specific application product, namely the trough embedded part system, to conduct research and compile this standard:

Technical Specification for Application Evaluation of Trough Embedded Parts System

1 Scope

This standard specifies the objects, applicable conditions, content, methods and results of the application evaluation of the trough embedded parts system:

This standard is applicable to the evaluation of static load bearing performance, normal service limit displacement, fire resistance and fatigue performance of trough embedded parts system:

2 Normative references

The following documents are indispensable for the application of this document: For dated reference documents, only the dated version applies to this article Pieces: For undated references, the latest version (including all amendments) applies to this document:

GB/T 197 Common thread tolerance GB/T 3098.1 Mechanical properties of fasteners bolts, screws and studs GB/T 3098.2 Mechanical properties of fasteners nuts GB/T 3098.6 Mechanical properties of fasteners stainless steel bolts, screws and studs GB/T 3098.15 Mechanical properties of fasteners stainless steel nuts GB/T 3103.1 Fastener tolerance bolts, screws, studs and nuts GB/T 19292.1 Corrosion of metals and alloys: Atmospheric corrosivity Part 1: Classification, determination and evaluation GB/T 50081 Standard Test Method for Physical and Mechanical Properties of Concrete GB/T 50107 Concrete Strength Inspection and Evaluation Standard GB 50661 Specification for Welding of Steel Structures

3 Terms and definitions

The following terms and definitions apply to this document:

Slot embedded part anchorchannel A steel fitting composed of a channel, a T-bolt pair and at least two anchors is shown in Figure 1: