Chinastandards.org

ICS 93.060
CCS P 21

CJJ

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

CJJ/T 164-2011

Standard for quality inspection of shield tunnel segment

盾构隧道管片质量检测技术标准

(English Translation)

Issued on: May 10, 2011 **Implemented on: March 1, 2012**

Issued by: Ministry of Housing and Urban-Rural Development of the People's Republic of China

Preview: page 1 of 4 shown, 37 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/cjj-t-164-2011

Chinastandards.org

Table of Contents

[Preview only]
1 General provisions
2 Terms
2.2 Symbols
3 Basic Requirements
3.1 General requirements
3.2 Composition of leakage surveillance system
3.3 On-site test unit and central surveillance unit
4 Design
4.2 Functions
4.3 Configuration
4.4 Permeable Base Mixture Design
4.5 Cushion
4.6 Subgrade
4.7 Drainage Facility
5 Construction
5.2 Heating source plant
5.3 Booster pump station
5.4 Water heat reservoir
5.5 Water storage tank
5.6 Heating station
6 Insulation construction and insulating layer
6.2 Equipment of vibration isolation
6.3 Damping hanger
6.4 Flexible joint and flange
6.5 Sound absorber
6.6 Sound-proof door and window
6.7 Muffler
6.8 Sound-proof cover
7 Maintenance
7.2 Stiffness and stability of outer protective pipe
7.3 Commissioning & debugging

Preview: page 2 of 4 shown, 37 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/cjj-t-164-2011

7.4 Acceptance
7.5 Completion acceptance
8 Construction and acceptance
8.2 Pipe installation
8.3 Heat preservation pipe patch
8.4 Vacuum system installation
8.5 Pressure test, purging and trial operation
9 Operation management
9.2 Preparation before operation
9.3 Warming pipe
9.4 Operational maintenance
9.5 Operational stop

1 Foreword

CJJ/T 164-2011 was issued by Ministry of Housing and Urban-Rural Development of the People's Republic of China on 10 May 2011 and has been in force since 1 March 2012.

The CJJ/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 37 pages in English translation.

2 Scope Preview

This standard applies to using the shield construction of shield tunnel concrete segments and steel pipe sheet approach assembling pre-construction inspection and quality inspection.

CJJ/T 164-2011 falls under ICS 93.060, in the field of civil engineering.

This catalogue holds 16 other CJJ/T standards in that field.

In this catalogue, CJJ/T standards carry edition years from 1993 to 2023.

3 About this standard

Issued by: Ministry of Housing and Urban-Rural Development of the People's Republic of China

English translation: about 37 pages

Preview: page 3 of 4 shown, 37 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/cjj-t-164-2011

Chinese original: about 56,550 characters

4 Related standards

Standards on related subjects:

GB 50009-2012 - Load code for the design of building structures

CJJ/T 284-2018 - Technical standard for mechanical pipe jacking of heating engineering

CJ/T 446-2014 - Slurry shield machine

5 Classification and status

International classification (ICS): 93.060

Chinese Standard Classification (CCS): P 21

Prefix CJJ/T: recommended standard.

Preview: page 4 of 4 shown, 37 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/cjj-t-164-2011