Chinastandards.org

ICS 45.060.01
CCS S34

TB

RAILWAY INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

TB/T 3102.12-2005

Curved-face bayonet ring couplings for rolling stock. Part 12: Reducing straight coupling bodies

机车车辆用曲面卡套式管接头 第12部分:异径直通管接头体

(English Translation)

Issued on: March 29, 2005 **Implemented on: July 1, 2005**

Issued by: National Railway Administration

Preview: page 1 of 5 shown, 8 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/tb-t-3102-12-2005

Chinastandards.org

Table of Contents

[Preview only]
1 Scope
2 Normative References
3 Terms and Definitions
3.1 Basic requirements
3.2 Material requirements
3.3 Structural requirements
3.4 Performance Requirements
4 Technical Requirements
4.1 Longitudinal rail restraint
4.2 Assembly clamping force
4.3 Fatigue performance of fastening assembly
4.4 Insulation performance
5 Test Methods
5.1 Type Inspection
5.2 End-of-manufacturing Inspection
6 Inspection Rules
6.1 Vertical Load Test
6.2 Longitudinal Compression Test
6.3 Longitudinal Tension Load Test
6.4 Torque Load Test
6.5 Rescue Strength Test (Single-head Lifting)
6.6 Safe Pressure Test of the Driver's Cab
6.7 Anti-collision Structure Pressure Test of the Driver's Cab
6.8 Cowcatcher Pressure Test
7 Marking, Packaging, Transportation and Storage
8 Test Equipment and Instruments
9 Strain Gage and Its Pasting and Wiring
9.1 Requirements of Measuring Gage
9.2 Requirements of Temperature Compensating Gage
9.3 Pasting Requirements of Strain Gage
9.4 Wiring Requirements of Strain Gage

Preview: page 2 of 5 shown, 8 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/tb-t-3102-12-2005

9.5 Moisture-proof of Strain Gage

1 Foreword

TB/T 3102.12-2005 was issued by National Railway Administration on 29 March 2005 and has been in force since 1 July 2005.

It is one of 29 parts of the TB/T 3102 series.

The TB/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.

2 Scope Preview

TB/T 3102.12-2005 falls under ICS 45.060.01, in the field of railway engineering.

This catalogue holds 457 other TB/T standards in that field.

In this catalogue, TB/T standards carry edition years from 1973 to 2026.

3 About this standard

Sector: Railway & Train Industry Standard (Recommended)

Issued by: National Railway Administration

English translation: about 8 pages (approximate)

Chinese original: about 4,498 characters

4 Related standards

Other parts of this standard:

TB/T 3102.1-2005 - Part 1: Screw nuts

TB/T 3102.2-2005 - Part 2: Elastical ferruie

TB/T 3102.3-2005 - Part 3: Washer

TB/T 3102.4-2005 - Part 4: Aubber sealing rings

TB/T 3102.5-2005 - Part 5: Straight Couplings

TB/T 3102.6-2005 - Part 6: Straight coupling bodies

TB/T 3102.7-2005 - Part 7: Angle couplings

TB/T 3102.8-2005 - Part 8: Angle coupling bodies

Preview: page 3 of 5 shown, 8 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/tb-t-3102-12-2005

TB/T 3102.9-2005 - Part 9: Tee couplings

TB/T 3102.10-2005 - Part 10: Tee coupling bodies

TB/T 3102.11-2005 - Part 11: Reducing straight couplings

TB/T 3102.13-2005 - Part 13: Insert straight couplings

TB/T 3102.14-2005 - Part 14: Insert straight coupling bodies

TB/T 3102.15-2005 - Part 15: Meter-pipe straight couplings

TB/T 3102.16-2005 - Part 16: Meter-pipe straight coupling bodies

TB/T 3102.17-2005 - Part 17: Cone thread straight couplings

TB/T 3102.18-2005 - Part 18: Cone thread straight couplings bodies

TB/T 3102.19-2005 - Part 19: Columned thread straight couplings

TB/T 3102.20-2005 - Part 20: Columned thread straight coupling bodies

TB/T 3102.21-2005 - Part 21: Insert cone thread straight couplings

TB/T 3102.22-2005 - Part 22: Cone thread angle couplings

TB/T 3102.23-2005 - Part 23: Cone thread angle coupling bodies

TB/T 3102.24-2005 - Part 24: Insert external columned thread straight couplings

TB/T 3102.25-2005 - Part 25: Insert external columned thread straight coupling bodies

TB/T 3102.26-2005 - Part 26: Internal pipe tap straight couplings

TB/T 3102.27-2005 - Part 27: Internal pipe tap straight coupling bodies

TB/T 3102.28-2005 - Part 28: Cross-type screw couplings

TB/T 3102.29-2005 - Part 29: Cross-type screw coupling bodies

Standards on related subjects:

TB/T 1900-2016 - Air reservior of railway vehicle

TB/T 2983-2000 - Magnetic particle inspection of railroad wheels

TB/T 2995-2000 - Railway wheels and tires for ultrasonic inspection

TB/T 3560-2020 - Safety hammer for railway passenger car and EMU

TB/T 3108-2011 - Sliding plug door for railway passenger car

TB/T 3107-2011 - Unit combined windows for railway passenger car

Preview: page 4 of 5 shown, 8 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/tb-t-3102-12-2005

Chinastandards.org

5 Classification and status

International classification (ICS): 45.060.01

Chinese Standard Classification (CCS): S 34

Prefix TB/T: recommended standard.

Preview: page 5 of 5 shown, 8 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/tb-t-3102-12-2005