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JJG

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

JJG 219-2015

Replacing JJG 219-2008

**Track Gages for Standard Gauge Railway
(English Translation)**

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4.5 Maximum indication of maximum permissible error and repeatability (2)

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Appendix A Schematic diagram of railway gauge gauge (11)

Appendix B Railway track gauge test record form (12)

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Introduction

This procedure is based on TB/T 1924-2008 "Standard gauge rail gauge", TG/GW115-2012 "High speed Railway ballastless track repair rules (Trial) ", TG/GW116-2013" high-speed railway ballast track line dimension Repair rules (Trial) ", the JJG 219-2008" standard gauge rail gauge "to be revised. And JJG 219-2008, the main technical changes in addition to editorial changes are as follows.

- increase the introduction;
- delete the reference file;
- "level (high)" unified as "high";
- "the gap between the ruler and the direction of the marking" is changed to "the distance from the gauge to the scale" of the gauge;
- Change the "gap between the wheel and the pointer" to "between the upper end of the pointer and the surface of the wheel distance";
- unified gauge distance gauge gauge error of the specified form, cancel the ruler line indication error requirements, while Adjust the "zero value" outside the measurement point of the error test method;
- increase the track gauge foot tilt state of the ultra-high value change requirements;
- added a new gauge gauge pedometer;
- the relevant provisions of the wooden gauge are removed;
- the elimination of long blisters and ultra-high plate gauge;
- the "measurement uncertainty assessment" of the original procedure was deleted.

Prerequisites of this Code Release.

--- JJG 219-2008;

--- JJG 219-2003;

--- JJG 219-1986;

--- JJG 219-1980.

Test procedure for gauge gauge of railway gauge

1 Scope

This procedure applies to the first gauge of the standard gauge rail gauge (hereinafter referred to as the gauge), the subsequent verification and Check in. Also available for other rail gauge sizes.

2 terms

Ultra-high U-turn error absolutevalueoftworesultsofsuper-elevationmeasurements of both 180 ° directions the gauge distance is the absolute value of the algebraic algebra of the readings in the same direction as each other in the 180 ° direction.

3 Overview

Gauge gauge is used to measure the railway line gauge, ultra-high, check the interval and the distance from the back of the railway dedicated measuring device with The gauge range of the gauge is shown in Table 1. According to its accuracy is divided into 0, 1, 2 three levels, 0 gauge gauge Used to measure the allowable speed of not more than 350km/h of the railway lines, a gauge gauge for measuring the allowable speed does not exceed 250km/h of the railway lines, two gauge gauge for measuring the allowable speed of not more than 160km/h of the railway lines. rail from the scale structure is divided into scale and digital category, the schematic diagram shown in Figure 1 and Figure 2.

Table 1 gauge distance measurement range in millimeters

Item Name	Measuring range	Item Name	Measuring range	gauge Class	2 scale class
1428	1428 ~ 1470	Other	1410 ~ 1470	Super high	Class 2 scale class
150	150 ~ 150	Other	185 ~ 185	Class 2 scale class	150 ~ 150
1381	1381 ~ 1401	back to the back	1338 ~ 1358	Fig.1 Schematic diagram of gauge structure of scale rail	1-active probe; 2-active probe; 3-gauge reading device; 4-level bubble; 5-high readout device;

6 - handle; 7 - foot body; 8 - fixed probe; 9 - fixed end of the seat