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

CJ/T 482-2015

**Spherical steel bearings for urban rail transit bridges
(English Translation)**

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Foreword

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

This standard proposed by the Ministry of Housing and Urban Standard and Design Institute.

This standard by the Ministry of Housing and Urban Rail Transit Standardization Technical Committee.

1 Scope

This standard specifies the classification, specifications, model and structure of the ball rail bearing of urban rail transit bridge, requirements, testing and testing side Law, inspection rules, marking, packaging, transportation and storage, installation and maintenance.

This standard applies to the vertical design of bearing capacity of 500kN ~ 100000kN urban rail transit ball bearings, inter-city rail Traffic bridge ball bearings can refer to the implementation of the ball.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 699 high-quality carbon structural steel GB/T 700 carbon structural steel GB/T 1033.1 Determination of plastic non-foam density - Part 1. Immersion, liquid pyknometer and titration GB/T 1040.1 Plastics - Determination of tensile properties - Part 1. General GB/T 1040.3 Plastics - Determination of tensile properties - Part 3. Test conditions for films and sheets GB/T 1184-1996 Tolerances on shape and position tolerances GB/T 1591 low-alloy high-strength structural steel GB/T 1804-2000 General tolerances Tolerances for linear and angular dimensions without tolerance GB/T 3077 alloy structural steel GB/T 3280-2007 Stainless steel cold rolled steel sheet and strip GB/T 3398.1 Determination of plasticity - Part 1. Ball indentation method GB/T 4171 weathering structural steel Nonmagnetic

coatings on magnetic substrates - Measurement of thickness of coatings - Magnetic method Ultrasonic testing of steel castings - Part 1. Steel castings of general purpose GB/T 7760 vulcanized rubber or thermoplastic rubber and rigid sheet adhesive strength test 90 ° peel method GB/T 11352 General engineering cast carbon steel parts Corrosive atmospheres - Classification HG/T 2502-1993 5201 Grease Technical requirements for steel bridge protection coating and coating on TB/T 1527-2011 Technical conditions for multiverseion and anticorrosion of railway concrete beam parts

3.1 Terms and definitions

The following terms and definitions apply to this document.