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

GB/T 30828-2014

Middle strength steel wire for prestressed concrete

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Foreword

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

The standard reference method using redrafted JISG3538-1994 "cold drawn steel wire for prestressed concrete" prepared with JISG3538-

1994 "cold drawn steel wire for prestressed concrete," the non-equivalent.

The standard in the appropriate diameter, dimensional tolerances and other aspects of JISG3538 a certain identity; but in terms of specifications, elongation, relaxation rate

According to the needs of the construction industry has been adjusted, and increases repeated bending test content.

The standard proposed by China Iron and Steel Association.

This standard by the National Steel Standardization Technical Committee (SAC/TC183) centralized.

This standard was drafted. China Metallurgical Construction Research Institute Co., Ltd., Tianjin Yinlong prestressed Materials Co., Ltd., Tianjin Metallurgical set

ZTE corporation Shengda Steel Co., Ltd., Metallurgical Industry Information Standards Institute, Rizhao Steel Holding Group Co., Ltd., Liaoning Tongda Building Material Industry Ltd., Liuzhou OVM Machinery Co., Ltd.

1 Scope

This standard specifies the intensity of prestressed concrete steel wire classification, size, shape, weight and tolerance, technical requirements, test side

Method, inspection rules and packaging, marking and quality certificate.

Stabilized heat This standard applies to prestressed concrete members with strength in the range of 650MPa ~ 1370MPa after cold working

Li wire.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein

Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 2103 General provisions wire acceptance, packaging, marking and quality certificate

GB/T 4354 quality carbon steel hot rod

GB/T 21839 Test Method for prestressed concrete steel

GB/T 24238 and prestressed steel wire strand with a hot rod

GB/T 24242.2 silk non-alloy steel wire rod - Part 2. general purpose wire rod

GB/T 24242.4 silk non-alloy steel wire rod - Part 4. Special purpose wire rod

YB/T 081 value metallurgical technical standards and testing for rounding value determination principles

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1

The strength of the spiral rib steel wire middle strength helical rib wire

Hot rods in the drawing process by the rotating spiral mold to form a continuous spiral rib rules along the longitudinal direction of the surface of the wire

After the stabilization treatment of cold drawn wire.

3.2

The strength notch wire middle strength indented wire

Hot rods after the drawing process, the scoring roll cold rolling along the longitudinal direction of the wire surface uniformly distributed on both sides have regularly spaced,

Three, four after the cold stabilization treatment indentation pull wire.

3.3

Deformed filaments changed wire

Steel wire spiral rib and scored collectively.