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

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Steel for the reinforcement of concrete vocabulary

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Foreword

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

This standard uses the redrafting method to modify and adopt ISO 16020.2005 "Steel Terms for Reinforced Concrete and Prestressed Concrete".

There are technical differences between this standard and ISO 16020.2005, and the clauses involved in these differences have been passed on the outer margin

The placed vertical single line (|) is marked, and Appendix A gives a list of corresponding technical differences and their causes.

This standard also made the following editorial changes.

--- Deleted the French text of ISO 16020.2005 and the equivalent terms in German, Spanish and Norwegian;

--- Deleted the informative appendix A of ISO 16020.2005 "Sample manufacturing process of rebar".

This standard was proposed by China Iron and Steel Association.

This standard is under the jurisdiction of the National Steel Standardization Technical Committee (SAC/TC183).

This standard was drafted by. China Metallurgical Construction Research Institute Co., Ltd., Metallurgical Industry Information Standards Institute, Shiheng Special Steel Group Co., Ltd.,

Anhui Changjiang Iron and Steel Co., Ltd., Tongling Fuxin Iron and Steel Co., Ltd., Jiangsu Xinxin Iron and Steel Group Co., Ltd., National Iron and Steel

Quality Supervision and Inspection Center, Shaanxi Iron and Steel Group Co., Ltd.

1 Scope

This standard defines relevant terms and definitions for steel for reinforced concrete.

This standard applies to steel bars and prestressed steel products for reinforced concrete.

2.1 Type

2.1.1

Reinforced concrete steel bars reinforcement for reinforcement of concrete

Wires or rods applied in an untensioned state to improve the tensile or compressive capacity of concrete structures.

2.1.2

Ordinary hot-rolled steel bars hot-rolled bars

Rebar delivered in hot rolled condition.

2.1.3

Hot-rolled fine-grained steel bars hot-rolled bars of fine grains

In the process of hot rolling, the fine-grained steel bars formed by controlled rolling and controlled cooling process have a grain size of 9 or finer.

2.1.4

Cold-rolled ribbed bar cold-rolled ribbed bars

After cold rolling, the hot-rolled wire rods have steel bars with horizontal ribs evenly distributed along the length direction.

2.1.5

High ductility cold-rolled ribbed bar cold-rolled ribbed bars with improved elongation

Cold rolled ribbed steel bars with high ductility obtained by hot rolling round rods through cold rolling forming and tempering heat treatment.

2.1.6

Waste heat treatment reinforcement quenching and self-tempering ribbed bars

After hot rolling, the surface treatment cooling is carried out by the principle of heat treatment, and the finished steel bar obtained by tempering treatment is completed by using the residual heat of the core.

A ring-shaped quenched self-tempering structure is formed on the base circle.

2.1.7

Corrosion resistance reinforcement bars

According to the different types of rebar use environment, such as industrial atmospheric

corrosion environment and chloride ion corrosion environment, add an appropriate amount of corrosion resistance to steel

Alloying elements, such as Cu, P, Cr, Ni, Mo, RE, etc., make it have corrosion resistance, and are delivered in hot rolled or controlled rolling controlled cooling conditions.

2.1.8

High corrosion resistance alloy reinforcement high corrosion resistance alloy rebars

A certain amount of corrosion-resistant alloy elements, such as Cr, Mo, Cu, Sn, etc., are added to the steel to make it a steel bar with high corrosion resistance.

2.1.9

Stainless steel reinforcement stainless steel bars

Rebar with the main features of stainless and corrosion resistance.