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Binding and fixing requirements for steel coils in road transport

钢板卷道路运输捆绑固定要求

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Foreword

This document was issued on 30 December 2022 by the State Administration for Market Regulation; Standardization Administration of the PRC and takes effect on 30 December 2022.

It is a GB/T standard: recommended rather than compulsory, but it is the text a Chinese reviewer applies when assessing a submission.

It is classified under ICS 03.220.20, Chinese classification R12.

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules for Standardization Documents" drafting.

Please note that some contents of this document may refer to patents. The issuing agency of this document assumes no responsibility for identifying patents.

This document is proposed by the Ministry of Transport of the People's Republic of China.

This document is under the jurisdiction of the National Road Transport Standardization Technical Committee (SAC/TC521).

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Requirements for binding and fixing steel plate coils for road transport

1 Scope

GB/T 42230-2022 covers the lashing of steel coils moved by road: a dense cylinder that carries its whole mass in one unit and has no flat face to sit on unless it is cradled. The document applies to coils that have to be bundled and are carried on a stand or skid, with a single coil mass of no more than 35,000 kg and a width of not less than 600 mm. Clause 4 sets the technical requirements for the binding and fixing devices, clause 5 the requirements for how the coil is bound and secured, and clause 6 the requirements for inspection, maintenance, withdrawal from service and replacement. Two normative appendices carry the technical requirements for chain binding assemblies and for wire rope binding assemblies, and a third, informative, illustrates the fixtures themselves. Clause 6 is the part a fleet feels most. Lashing hardware is bought once and then reused daily for years, and a chain or rope still sitting in the truck is not necessarily still fit to hold the load, so a rule on when a device leaves service does as much work as its original rating. Written for steel producers and their logistics departments, road hauliers, makers of lashing equipment, and transport safety inspectors.

This document specifies the technical requirements for binding and fixing devices for road transport of steel plate coils, requirements for binding and fixing, and inspection, maintenance, deactivation and replacement.

Require.

This document is applicable to bundles that need to be bundled, using a stand or skid, with a single coil mass of no more than 35,000kg, and a rolling width of no less than 600mm

Road transport of steel plate coils, and other coiled goods can also be used as a reference.

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text. Among them, dated references

For documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to

this document.

GB/T 247 General regulations on packaging, marking and quality certificate of steel plate

and steel strip

GB 1589 Automobiles, trailers and automobile trains Outline dimensions, axle loads and mass limits

GB/T 5974.1 Common collars for wire ropes

GB/T 6946 Steel Wire Rope Aluminum Alloy Pressed Joints

GB/T 14735-2009 Technical conditions for the use of hooks for port loading and unloading

GB/T 14736-2009 Technical conditions for the use of lifting rings for port loading and unloading

GB/T 14737 Technical conditions for the use of slings for port loading and unloading

GB/T 16271 Steel wire rope sling with braided buckle

GB/T 20118-2017 General Technical Conditions for Steel Wire Rope

GB/T 20947 Short-link chain T-grade (T, DAT and DT type) high-precision hoist chains for lifting

GB/T 23914.2 Safety of load securing devices for road vehicles - Part 2.Synthetic fiber tie-down strap assembly

GB/T 24813 Grade 8 steel forged lifting hook with safety locking device

GB/T 24816 Grade 8 medium-precision chains for general lifting steel short-link chains

GB/T 25852 Grade 8 Steel Forged Lifting Parts

GB/T 25854 D-shaped and bow-shaped forged shackles for general lifting

GB/T 25855 Grade 8 connecting rings for rigging

JB/T 7335-2016 Chain Lever Hoist

LY/T 1296-2012 Truck sawn timber

WB/T 1092 Steel Logistics Packaging and Labeling Specifications

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1

fix

The operation of using binding fixtures on transport equipment to control the positional movement or overturning of steel coils.