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Rollers for belt conveyor

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In the event of any doubts arising as to the contents,
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Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by The Japan Society of Industrial Machinery Manufacturers (JSIM)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS B 8803** : 2008), which has been technically revised.

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Rollers for belt conveyor

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 1537** : 1975, Edition 1, with some modifications of the technical contents made in accordance with the actual conditions in Japan.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JA.

1 Scope

This Standard specifies the rollers used for carrier side and return side of stationary type rubber belt conveyor to be used mainly for transportation of bulk materials (ore, soil and sand, coal, cement, cereals, etc.) and also roller stands.

NOTE The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 1537 : 1975, *Continuous mechanical handling equipment for loose bulk materials — Troughed belt conveyors (other than portable conveyors) — Idlers* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

2 Normative references

Part or all of the provisions of the following standards, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS B 0140 *Glossary of terms relating to conveyor*

JIS B 1001 *Diameter of clearance holes and counterbores for bolts and screws*

JIS B 1180 *Hexagon head bolts and hexagon head screws*

JIS B 1521 *Rolling bearings — Deep groove ball bearings*

JIS G 3101 *Rolled steels for general structure*

JIS G 3108 *Rolled carbon steel for cold-finished steel bars*

JIS G 3123 *Cold finished carbon and alloy steel bars*

JIS G 3444 *Carbon steel tubes for general structure*

JIS G 3445 *Carbon steel tubes for machine structure*