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Round slings for lifting purposes

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Health, Labour and Welfare and 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 the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently, JIS B 8811:2010 is replaced with this Standard.

However, **JIS B 8811**:2010 may be applied in the **JIS** mark certification based on the relevant provisions of Article 19 Clause 1, etc. of the Industrial Standardization Law until February 24, 2016.

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Round slings for lifting purposes

JIS B 8811 : 2015

1 Scope

This Japanese Industrial Standard specifies the round slings for lifting purposes intended for crane work of cranes and winches (hoisting machines).

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) listed below shall be applied.

JIS B 0148 Lifting equipment—Terminology

JIS G 3123 Cold finished carbon and alloy steel bars

JIS L 0104 Designation of yarns by tex system

JIS L 0105 General principles of physical testing methods for textiles

JIS L 0204-2 Glossary of terms used in fibre—Part 2: Man-made fibres

JIS L 0205 Glossary of terms used in yarn

JIS L 0208 Glossary of terms used in textile industry—Testing

3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS B 0148**, **JIS L 0104**, **JIS L 0204-2**, **JIS L 0205** and **JIS L 0208** and the following apply.

3.1 working load limit

the maximum mass of load which a single round sling is designed to sustain

It is also referred to as WLL.

3.2 working load

the maximum mass of load which can be used on the round sling, specified factoring in the suspension angle, service environment or other matters

It is also referred to as WL.

3.3 bundled strands

a bundle of several strands [see figure 3 b)]

3.4 hank

strands or bundled strands wound into the shape of a core by means of a reel [see figure 3 c)]

3.5 core

the tensile-load bearing part of a round sling, consisting of strands or bundled strands wound in an endless loop (see figures 1 and 2)