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Round slings for lifting purposes

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Contents

		Page
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Classification and symbols	2
5	Performance	4
5.1	Proof load	4
5.2	Breaking load	4
5.3	Elongation	4
5.4	Permanent elongation of core	4
5.5	Wear resistance of cover	4
5.6	Strength of core	4
6	Structure and dimensions	4
6.1	Structure	4
6.2	Dimensions	5
7	Appearance	5
8	Material	5
8.1	Core	5
8.2	Cover and stitching thread	6
9	Manufacturing method	6
9.1	Core	6
9.2	Eyes	6
9.3	Stitched parts	6
9.4	Cover	7
10	Test methods	7
10.1	Standard condition of test site	7
10.2	Tensile test for round slings with large length	7
10.3	Proof load test	7
10.4	Tensile test	8
10.5	Elongation test	8
10.6	Permanent elongation test of core	9
10.7	Test of round slings with large working load limit	9
10.8	Wear resistance test	10
10.9	Test of strength of core	10
11	Inspection	11
11.1	Type of inspection	11

11.2	Type inspection	11
11.3	Delivery inspection	12
12	Designation of products	12
13	Marking	12
14	Instruction manual	13
Annex A (normative)	Working load of round slings	14
Annex B (normative)	Using standard of round slings	16
Annex C (normative)	Criteria for checks of round slings	1.

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

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 bar x

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)