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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

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)

3.6 eye

a loop formed of a core (see figure 1)

3.7 eye and eye

the type of round slings having eyes at both ends (see figure 1)

3.8 endless

the type of round slings that are in an endless loop (see figure 2)

3.9 stitched part

the part where a cover and others are stitched together (see figures 1 and 2)

3.10 junction part

in an eye and eye round sling, the part where the cover is stitched together at the junction of the main body and an eye (see figure 1)

3.11 joined part

in an endless round sling, the part where the ends of the cover are overlapped and stitched together (see figure 2)

3.12 cover

woven webbing which encloses the core (see figures 1 and 2)

3.13 main body

the part of a round sling excluding eyes and stitched parts (see figures 1 and 2)

3.14 length

the effective length of a round sling (see figures 1 and 2)

3.15 eye length

the length between the inside edge of an eye and the end of stitched parts on the eye side (see figure 1)

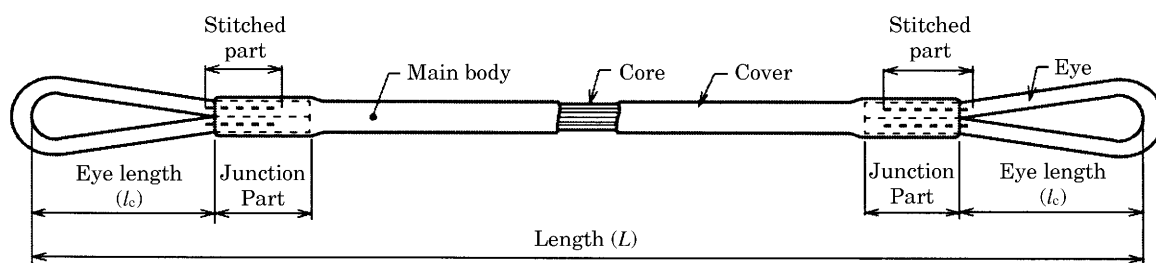


Figure 1 Example of eye and eye round sling