

# JIS

JAPANESE  
INDUSTRIAL  
STANDARD

Translated and Published by  
Japanese Standards Association

---

---

**JIS B 2809** : 2018

(JSIM/JSA)

**U-bolt wire rope grips**

---

ICS 21.060.99;77.140.65

Reference number : **JIS B 2809 : 2018 (E)**

B 2809 : 2018

Date of Establishment: 1966-08-01

Date of Revision: 2018-03-20

Date of Public Notice in Official Gazette: 2018-03-20

Investigated by: Japanese Industrial Standards Committee  
Standards Board for ISO area

---

JIS B 2809:2018, First English edition published in 2019-01

Translated and published by: Japanese Standards Association  
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

---

In the event of any doubts arising as to the contents,  
the original JIS is to be the final authority.

© JSA 2019

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Printed in Japan

AT

PROTECTED BY COPYRIGHT

## Contents

	Page
Introduction .....	1
1 Scope .....	1
2 Normative references .....	1
3 Terms and definitions .....	1
4 Classification .....	2
5 Performance .....	2
5.1 Retainability .....	2
5.2 Coating performance .....	2
6 Construction, shape, and dimensions .....	2
6.1 Construction .....	2
6.2 Shape .....	3
6.3 Dimensions .....	4
7 Surface finish .....	5
8 Materials .....	5
9 Manufacturing process .....	6
9.1 Saddle .....	6
9.2 Surface treatment .....	6
10 Tests .....	6
10.1 Tensile test .....	6
10.2 Coating test .....	7
11 Inspection .....	8
11.1 Types of inspection .....	8
11.2 Type inspection .....	8
11.3 Delivery inspection .....	8
12 Marking .....	8
13 Designation of product .....	8
14 Criteria for use and inspection .....	9
Annex A (informative) Cast wire rope grips (Type MR) .....	10
Annex B (informative) Cast wire rope grips (Type MS) .....	14
Annex C (informative) Example of criteria for use of wire rope grips .....	18
Annex D (informative) Example of criteria for inspection of wire rope grips .....	21

## 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 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 2809:2009** is replaced with this Standard.

However, **JIS B 2809:2009** 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 March 19, 2019.

This **JIS** document is protected by the Copyright Law.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

# U-bolt wire rope grips

## Introduction

This Japanese Industrial Standard was established in 1966; this is the fourth revision since then. Since the last revision made in 2009, there has been advances in the technology relevant to the product covered in this Standard. This revision is intended to update the contents with these advances in mind.

No corresponding International Standard has been established at this point.

## 1 Scope

This Standard specifies requirements for the forged wire rope grips (hereafter referred to as grips) used for clamping of wire ropes.

NOTE Requirements for cast wire rope grips, which are outside the scope of this Standard, are provided in Annex A and Annex B for informative purposes.

## 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) indicated below shall be applied.

JIS B 0148 *Lifting equipment—Terminology*

JIS B 0209-1 *ISO general purpose metric screw threads—Tolerances—Part 1: Principles and basic data*

JIS B 0415 *Dimensional tolerance for steel die forgings (hammer and press forging)*

JIS B 1051 *Mechanical properties of fasteners made of carbon steel and alloy steel—Bolts, screws and studs with specified property classes—Coarse thread and fine pitch thread*

JIS B 1052-2 *Mechanical properties of fasteners made of carbon steel and alloy steel—Part 2: Nuts with specified property classes—Coarse thread and fine pitch thread*

JIS B 1181 *Hexagon nuts and hexagon thin nuts*

JIS B 1256 *Plain washers*

JIS G 3101 *Rolled steels for general structure*

JIS G 3525 *Wire ropes*

JIS H 0401 *Test methods for hot dip galvanized coatings*

JIS H 8641 *Hot dip galvanized coatings*

## 3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS B 0148** apply.