

# JIS

JAPANESE  
INDUSTRIAL  
STANDARD

Translated and Published by  
Japanese Standards Association

---

---

**JIS S 1039** : 2015

(JOIFA/JSA)

**Shelves and racks**

---

ICS 97.140

Reference number : JIS S 1039 : 2015 (E)

PROTECTED BY COPYRIGHT

12 S

S 1039 : 2015

Date of Establishment: 1969-01-01

Date of Revision: 2015-04-20

Date of Public Notice in Official Gazette: 2015-04-20

Investigated by: Japanese Industrial Standards Committee

Standards Board for ISO area

Technical Committee on Consumer Life Products

---

JIS S 1039 : 2015, First English edition published in 2016-06

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 2016

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

KK/HN

PROTECTED BY COPYRIGHT

## Contents

	Page
Introduction .....	1
1 Scope .....	1
2 Normative references .....	1
3 Terms and definitions .....	2
4 Classification .....	3
4.1 By purpose .....	3
4.2 By structure .....	3
5 Dimensions .....	4
6 Quality .....	4
6.1 Appearance .....	4
6.2 Performance .....	4
7 Structure .....	6
8 General test conditions .....	6
8.1 Test specimen .....	6
8.2 Test category .....	6
8.3 Measurement accuracy .....	6
8.4 Test apparatus .....	6
9 Test methods .....	7
9.1 Stability test .....	7
9.2 Strength test .....	7
9.3 Surface treatment test .....	10
10 Inspection .....	11
11 Marking .....	12
12 Precautions for handling and maintenance .....	12
Annex A (normative) Terms of shelves and racks .....	13
Annex B (informative) Dimensions of shelves and racks .....	15
Annex C (informative) Overturn preventive fittings for shelves and racks .....	16

## Foreword

This translation has been made based on the original Japanese Industrial Standard 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 Japan Office & Institutional Furniture Association (JOIFA)/ 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 S 1039:2005** is replaced with this Standard.

However, **JIS S 1039: 2005** 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 April 19, 2016.

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.

# Shelves and racks

## Introduction

This Japanese Industrial Standard was established in 1969 and has gone through four revisions up to the present. The last revision was made in 2005, and the revision at this time is to respond to a variety of uses and improved qualities of the products.

No corresponding International Standard has been established at this point.

## 1 Scope

This Standard specifies shelves and racks (hereafter referred to as shelves), excluding home shelves and industrial racks specified in **JIS Z 0620**.

Shelves herein refer to those composed mainly of the columns, shelf boards and shelf supports. They can be free-standing, disassembled and reassembled, to be used for storing books, stationary and business supplies.

## 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 A 1531 *Furniture — Assessment of surface resistance to cold liquids*
- JIS A 5549 *Adhesives for fixture*
- JIS A 5905 *Fiberboards*
- JIS A 5908 *Particleboards*
- JIS H 8610 *Electroplated coatings of zinc on iron or steel*
- JIS H 8617 *Electroplated coatings of nickel and chromium*
- JIS K 5961 *Household varnish for interior wooden floor*
- JIS K 5962 *Household paint for wood and metal*
- JIS S 1200 *Furniture — Storage units — Determination of strength and durability*
- JIS S 1201 *Furniture — Storage units — Determination of stability*
- JIS Z 0620 *Industrial racks*
- JIS Z 1522 *Pressure sensitive adhesive cellophane tapes*
- JIS Z 2101 *Methods of test for woods*
- JIS Z 8703 *Standard atmospheric conditions for testing*
- Japanese Agricultural Standard (JAS) *Sawn lumber*