



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS D 9456 : 2009

(JBPI/JSA)

Cycles — Locks

ICS 43.150

Reference number : JIS D 9456 : 2009 (E)

PROTECTED BY COPYRIGHT

 **Documents**
Document Sharing Hub

85

D 9456 : 2009

Date of Establishment: 1961-01-01

Date of Revision: 2009-06-20

Date of Public Notice in Official Gazette: 2009-06-22

Investigated by: Japanese Industrial Standards Committee

Standards Board

Technical Committee on Consumer Life Products

JIS D 9456 : 2009, First English edition published in 2010-06

Translated and published by: Japanese Standards Association
4-1-24, Akasaka, Minato-ku, Tokyo, 107-8440 JAPAN

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

© JSA 2010

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

PROTECTED BY COPYRIGHT

KA/HN
AVA Documents
Document Sharing Hub

Contents

		Page
1	Scope	1
2	Normative references	1
3	Classification	1
4	Names of parts	2
5	Shapes and dimensions	2
6	Strength	2
6.1	Cyclic fatigue strength	2
6.2	Tensile strength of wire locks and chain locks	2
6.3	Static load test of ring locks and side locks	2
6.4	Corrosion resistance	2
7	Structure	3
8	Appearance	3
9	Electroplating or painting	3
10	Test methods	4
10.1	Cycle fatigue strength test	4
10.2	Tensile strength of wire lock and chain lock	4
10.3	Static strength test of ring lock and side lock	5
10.4	Corrosion resistance test	6
11	Designation of products	6
12	Marking	6
12.1	Marking on products	6
12.2	Marking on packaging	6

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 Bicycle Promotion Institute (JBPI)/ 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 D 9456 : 1994** is replaced with this Standard.

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

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

Cycles — Locks

1 Scope

This Japanese Industrial Standard specifies locks to be used mainly for bicycles specified in JIS D 9111 (hereafter referred to as “locks”).

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 0205-1 *ISO general purpose metric screw threads — Part 1 : Basic profile*
- JIS B 0205-2 *ISO general purpose metric screw threads — Part 2 : General plan*
- JIS B 0205-3 *ISO general purpose metric screw threads — Part 3 : Selected sizes for screws, bolts and nuts*
- JIS B 0205-4 *ISO general purpose metric screw threads — Part 4 : Basic dimensions*
- JIS B 0209-1 *ISO general purpose metric screw threads — Tolerances — Part 1 : Principles and basic data*
- JIS B 0209-2 *ISO general purpose metric screw threads — Tolerances — Part 2 : Limits of sizes for general purpose external and internal screw threads — Medium quality*
- JIS B 0209-3 *ISO general purpose metric screw threads — Tolerances — Part 3 : Deviations for constructional screw threads*
- JIS D 0202 *General rules of coating films for automobile parts*
- JIS D 9111 *Cycles — Classification and essential characteristics*
- JIS H 8502 *Methods of corrosion resistance test for metallic coatings*
- JIS H 8610 *Electroplated coatings of zinc on iron or steel*
- JIS H 8617 *Electroplated coatings of nickel and chromium*

3 Classification

Locks shall be classified by construction as shown in table 1.

Further, side locks shall be used with another lock and shall not be used independently.