



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS G 3555 : 2004

(MCJ/JSA)

Woven wire cloth

ICS 77.140.99

Reference number : JIS G 3555 : 2004 (E)

PROTECTED BY COPYRIGHT



Documents

Document Sharing Hub

85

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 Manufacturing Chain Ring of Japan (MCJ)/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 G 3555 : 1983** is replaced with this Standard.

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.

Date of Establishment: 1964-10-01

Date of Revision: 2004-02-20

Date of Public Notice in Official Gazette: 2004-02-20

Investigated by: Japanese Industrial Standards Committee
Standards Board
Technical Committee on Iron and Steel

JIS G 3555:2004, First English edition published in 2004-06

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 2004

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

Contents

	Page
1 Scope	1
2 Normative references	1
3 Definitions	1
4 Classification and symbol	1
5 Shape, dimensions and tolerances	2
6 Material	4
7 Method of manufacture	4
7.1 Plain weave wire cloth	4
7.2 Twill weave wire cloth	4
7.3 TATAMI (rush-mat) weave wire cloth	4
8 Properties of galvanized coating	4
9 Galvanized coating mass test	4
10 Appearance	5
11 Measurement method	5
11.1 Wire diameter	5
11.2 Mesh	6
12 Inspection	6
13 Designation	7
14 Marking	7
15 Report documents	7

Woven wire cloth

1 Scope This Japanese Industrial Standard specifies the woven wire cloth (hereafter referred to as “wire cloth”) of annealed low carbon steel wire, galvanized low carbon steel wire, and stainless steel wire. However, a wire cloth that is post-plated⁽¹⁾ shall be excluded from this Standard.

Note ⁽¹⁾ This refers to electrolytic galvanized coating or hot dip galvanized coating on steel wires after weaving process.

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS B 7502 *Micrometer callipers*

JIS B 7507 *Vernier, dial and digital callipers*

JIS B 7512 *Steel tape measures*

JIS G 3532 *Low carbon steel wires*

JIS G 3547 *Zinc-coated low carbon steel wires*

JIS G 4309 *Stainless steel wires*

JIS H 0401 *Methods of test for hot dip galvanized coatings*

3 Definitions For the purposes of this Standard, the following definitions apply:

- a) **mesh** The number of division in a 25.4 mm spacing.
- b) **network** The portion surrounded with a warp wire and a weft wire.
- c) **wire diameter** The diameter of a wire of wire cloth.
- d) **warp wire** All wires running in the long direction of wire cloth.
- e) **weft wire** All wires running in the lateral direction of wire cloth.
- f) **side edge wire** Outer warp wires on both sides.
- g) **width** The distance between the outer sides of side edge wires.
- h) **length** The distance between the ends of warp wire.
- i) **loop** The loop-back portion at both ends of weft wire.

4 Classification and symbol The classification and symbol of the wire cloth shall be as given in table 1 and figure 1.