

# JIS

JAPANESE  
INDUSTRIAL  
STANDARD

Translated and Published by  
Japanese Standards Association

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**JIS G 3522** : 2014

(JWPA)

**Piano wires**

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ICS 77.140.65

Reference number : **JIS G 3522 : 2014 (E)**

Date of Establishment: 1951-10-31

Date of Revision: 2014-02-20

Date of Public Notice in Official Gazette: 2014-02-20

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

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JIS G 3522:2014, First English edition published in 2014-12

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

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

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Printed in Japan

KA/AT

## Contents

	Page
Introduction.....	1
1 Scope.....	1
2 Normative references .....	1
3 Terms and definitions .....	2
4 Classification, symbols, applicable wire diameters .....	2
5 Material.....	2
6 Method of manufacture.....	2
7 Mechanical properties .....	2
7.1 Tensile strength .....	2
7.2 Coilability .....	4
7.3 Torsion .....	4
7.4 Bendability .....	4
8 Decarburization.....	4
9 Wire diameter and tolerances.....	4
9.1 Standard wire diameter.....	4
9.2 Tolerances on wire diameters and out-of-round .....	5
10 Surface conditions .....	5
10.1 Appearance .....	5
10.2 Depth of flaw .....	5
11 Tests .....	6
11.1 Sampling method .....	6
11.2 Tensile test .....	6
11.3 Coiling test .....	6
11.4 Torsion test.....	6
11.5 Bend test.....	6
11.6 Measurement of the depth of decarburization .....	6
11.7 Diameter measurement .....	7
11.8 Flaw detection test .....	7
12 Inspection.....	7
12.1 Inspection.....	7
12.2 Reinspection .....	7
13 Marking.....	7
14 Report .....	7

Annex JA (informative) Comparison table between JIS and corresponding  
International Standards ..... 8

## 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 Wire Products Association (JWPA) 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 3522:1991** is replaced with this Standard.

However, **JIS G 3522:1991** 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 19, 2015.

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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.

# Piano wires

## Introduction

This Japanese Industrial Standard has been prepared based on the second editions of **ISO 8458-1** and **ISO 8458-2** published in 2002 with some modifications of the technical contents.

The portions with continuous sidelines or dotted underlines are the matters in which the contents of the corresponding International Standards have been modified. A list of modifications with explanations is given in Annex JA.

## 1 Scope

This Standard specifies piano wires applicable to springs subjected to predominantly dynamic loading (hereafter referred to as “wires”).

NOTE : The International Standards corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 8458-1:2002 *Steel wire for mechanical springs—Part 1: General requirements*

ISO 8458-2:2002 *Steel wire for mechanical springs—Part 2: Patented cold-drawn non-alloy steel wire* (Overall evaluation: MOD)

The symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

## 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 G 0201 *Glossary of terms used in iron and steel (Heat treatment)*

JIS G 0404 *Steel and steel products—General technical delivery requirements*

NOTE : Corresponding International Standard: ISO 404:1992 *Steel and steel products—General technical delivery requirements* (MOD)

JIS G 0415 *Steel and steel products—Inspection documents*

NOTE : Corresponding International Standard: ISO 10474:1991 *Steel and steel products—Inspection documents* (IDT)

JIS G 0558 *Steels—Determination of depth of decarburization*

JIS G 3502 *Piano wire rods*

JIS Z 2241 *Metallic materials—Tensile testing—Method of test at room temperature*