



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS B 6912 : 2010

(HTTAJ)

**Process of induction hardening and
tempering of iron and steel**

(Amendment 1)

JIS B 6912 : 2002 has been revised under date of August 20, 2010. The revised items are included in this Amendment 1 and use this in combination with JIS B 6912 : 2002.

ICS 25.200;77.140.01

Reference number : JIS B 6912 : 2010 (E)

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Foreword

This translation has been made based on the Amendment to 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 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 6912:2002 is partially replaced with this Amendment.

Date of Establishment: 1968-03-01

Date of Revision: 2010-08-20

Date of Public Notice in Official Gazette: 2010-08-20

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

JIS B 6912 : 2010, First English edition published in 2010-11

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.

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Printed in Japan

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Process of induction hardening and tempering of iron and steel (Amendment 1)

JIS B 6912 : 2002 is revised as follows.

5 Material for processing

Replace table 2 by the following

Table 2 Grade of material for processing

Standard number	Symbol of grade
a) Carbon and alloy steels for machine structural use JIS G 4051 JIS G 4052 JIS G 4053	S20C, S22C, S25C, S28C, S30C, S33C, S35C, S38C, S40C, S43C, S45C, S48C, S50C, S53C, S55C, S58C SMn433H, SMn438H, SMn443H SMnC443H SCr430H, SCr435H, SCr440H SCM435H, SCM440H, SCM445H SNC631H SMn433, SMn438, SMn443 SMnC443 SCr430, SCr435, SCr440, SCr445 SCM430, SCM432, SCM435, SCM440, SCM445 SNC236, SNC631, SNC836 SNMCM240, SNMCM431, SNMCM439, SNMCM447, SNMCM625, SNMCM630
b) Steels for special use JIS G 4303 JIS G 4311 JIS G 4401 JIS G 4404 JIS G 4801 JIS G 4805	SUS403, SUS420J1, SUS420J2 SUH1, SUH3, SUH4 SK140, SK120, SK105, SK95, SK90, SK85, SK80, SK75, SK70, SK65, SK60 SKS2, SKS5, SKS51, SKS4, SKS41, SKS43, SKS44, SKS3, SKS31 SUP6, SUP7, SUP9, SUP9A, SUP10, SUP11A SUJ2, SUJ3, SUJ4, SUJ5