



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS B 6913 : 2010

(HTTAJ)

**Process of quenching and tempering of
iron and steel**

(Amendment 1)

JIS B 6913 : 1999 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 6913 : 1999.

ICS 25.200;77.140.01

Reference number : JIS B 6913 : 2010 (E)

PROTECTED BY COPYRIGHT

 **Documents**
Document Sharing Hub

5 S

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 6913:1999 is partially replaced with this Amendment.

Date of Establishment: 1969-07-01

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 6913 : 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.

© 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

SW

PROTECTED BY COPYRIGHT

Process of quenching and tempering of iron and steel (Amendment 1)

JIS B 6913 : 1999 is revised as follows.

5 Material to be processed

Replace table 2 by the following

Table 2 Classification of materials to be processed

Standard number	Symbol of grade
a) Steel bars, sections, plates and strip	
JIS G 3115	SPV450, SPV490
JIS G 3120	SQV1A, SQV1B, SQV2A, SQV2B, SQV3A, SQV3B
JIS G 3126	SLA325B, SLA365, SLA410
JIS G 3127	SL3N440, SL5N590, SL9N590
JIS G 3128	SHY685, SHY685N, SHY685NS
b) Steel pipes	
JIS G 3441	SCM430TK, SCM435TK, SCM440TK
JIS G 3445	STKM15A, STKM15C, STKM16A, STKM16C, STKM17A, STKM17C
JIS G 3446	SUS410TKA, SUS420J1TKA, SUS420J2TKA, SUS410TKC
JIS G 3460	STPL380, STPL450, STPL690
JIS G 3464	STBL380, STBL450, STBL690
c) Carbon steel and alloy for machine structural use	
JIS G 4051	S28C, S30C, S33C, S35C, S38C, S40C, S43C, S45C, S48C, S50C, S53C, S55C, S58C
JIS G 4052	SMn433H, SMn438H, SMn443H SMnC443H SCr430H, SCr435H, SCr440H SCM435H, SCM440H, SCM445H SNC631H
JIS G 4053	SMn433, SMn438, SMn443 SMnC443 SCr430, SCr435, SCr440, SCr445 SCM430, SCM432, SCM435, SCM440, SCM445 SNC236, SNC631, SNC836 SNCM240, SNCM431, SNCM439, SNCM447, SNCM625, SNCM630 SACM645
JIS G 4107	SNB5, SNB7, SNB16
JIS G 4108	SNB21, SNB22, SNB23, SNB24