



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS B 7724 : 1999
(ISO/DIS 6506-2 : 1997)

Brinell hardness test—Verification of testing machines

ICS 77.040.10

Descriptors : test equipment, hardness testing, brinell hardness measurement

Reference number : JIS B 7724 : 1999 (E)

PROTECTED BY COPYRIGHT

AVA Documents
Document Sharing Hub

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently **JIS B 7724 : 1994** is replaced with this Standard.

Date of Establishment: 1952-06-21

Date of Revision: 1999-03-20

Date of Public Notice in Official Gazette: 1999-03-23

Investigated by: Japanese Industrial Standards Committee
Divisional Council on Precision Machinery

JIS B 7724 : 1999, First English edition published in 2004-04

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

PROTECTED BY COPYRIGHT

 **Documents**
Document Sharing Hub

Brinell hardness test— Verification of testing machines

Introduction This Japanese Industrial Standard has been prepared based on **ISO/DIS 6506-2** *Metallic materials—Brinell hardness test—Part 2 : Verification of testing machines* published in 1997 without modifying the technical contents.

The portions with dotted underlines are items not included in the original International Standard.

1 Scope This Standard specifies the direct and indirect verification methods for testing machine that are used for the Brinell hardness test specified in **JIS Z 2243**.

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. If the indication of the year of publication is given to these referred standards, only the edition of the indicated year constitutes the provision of this Standard but the revision and amendment made thereafter do not apply. The normative references without the indication of the year of coming into effect or the year of publication apply only to the most recent edition (including amendments).

JIS B 7728 *Calibration of force-proving instruments used for the verification of uniaxial testing machines*

Remarks : ISO/DIS 376 : 1996 *Metallic materials—Calibration of force-proving instruments used for the verification of uniaxial testing machines* is identical with the said standard.

JIS B 7736 *Brinell hardness test—Calibration of reference blocks*

Remarks : ISO/DIS 6506-3 : 1997 *Metallic materials—Brinell hardness test—Part 3 : Calibration of reference blocks* is identical with the said standard.

JIS Z 2243 *Brinell hardness test—Test method*

Remarks : ISO/DIS 6506-1 : 1997 *Metallic materials—Brinell hardness test—Part 1 : Test method* is identical with the said standard.

ISO 3878 *Hardmetals—Vickers hardness test*

3 General conditions Before a Brinell hardness testing machine is verified, the machine shall be checked to ensure the following:

- a) the machine is properly set up;
- b) the plunger holding the ball slides correctly in its guide;
- c) the ball for an indenter is suitably fitted to a holder;
- d) test force can be applied and removed without shock, vibration or overrun and in such a manner that the readings are not influenced;