



## DRAFT INDIAN STANDARD IN WIDE CIRCULATION

Reference : MTD3/T-124

Date : 10 June 2024

**TECHNICAL COMMITTEE : Mechanical Testing of Metals Sectional Committee, MTD 03**

To,

**All concerned**

Dear Madam/Sir,

The following document has been prepared by the Mechanical Testing of Metals Sectional Committee Sectional Committee, MTD 03. Please [click here](#) to view the document.

**Document Number : MTD 03 (25817) WC**

**Title of the document : Metallic materials Rockwell hardness testPart 2: Verification and calibration of testing machines and indenters**

**Document Type : Revision of Indian Standard (IS 1586 : Part 2 : 2018)**

*This document has following salient features which may require specific attention for your valuable comments:*

- 1) This document specifies two separate methods of verification of testing machines (direct and indirect) for determining Rockwell hardness in accordance with ISO 6508-1, together with a method for verifying Rockwell hardness indenters.*
- 2) The direct verification method is used to determine whether the main parameters associated with the machine function, such as applied force, depth measurement, and testing cycle timing, fall within specified tolerances. The indirect verification method uses a number of calibrated reference hardness blocks to determine how well the machine can measure a material of known hardness.*
- 3) This document is applicable to stationary and portable hardness testing machines. Attention is drawn to the fact that the use of tungsten carbide composite for ball indenters is considered to be the standard type of Rockwell indenter ball.*

Please examine the document and share your comments regarding further improvement in the document.

**Last date for sharing the comments is : 10 July 2024**

The comments should be shared in the prescribed template through this portal only; and the comments so received shall be taken up by the Sectional Committee for necessary action. For any other query, please write an email at [mtd@bis.gov.in](mailto:mtd@bis.gov.in) to the undersigned at Bureau of Indian Standard, Manak Bhawan, 9, Bahadur Shah Zafar Marg, New Delhi.

In case no comments are received, we would presume your approval of the documents. However, in case we receive any comments on the document, the same shall be put up to the Sectional Committee for necessary action.

Thanking You,

**Yours faithfully,**  
**(SANJIV MAINI)**  
**Head (Metallurgical Engineering Department)**  
**Email: mtd@bis.gov.in**



## व्यापक परिचालन में मसौदा(दे)

हमारा सन्दर्भ : MTD3/T-124

दिनांक : 10-06-2024

**तकनीकी समिति : Mechanical Testing of Metals Sectional Committee Sectional Committee, MTD 03**

प्राप्तकर्ता : रूचि रखने वाले सभी निकाय

महोदय/या,

निम्नलिखित मसौदा तैयार किया गया है :

प्रलेख संख्या : MTD 03 (25817) WC

शीर्षक :

कृपया इस/इन मानक(को)/संशोधन(नो) के मसौदे(दो) का अवलोकन करें और अपनी सम्मतियाँ यह बताते हुए भेजें कि यदि ये मानक(को) के संशोधन(नो) के रूप में प्रकाशित हो तो इन पर अमल करने में आपके व्यवसाय अथवा कारोबार में क्या कठिनाइयां आ सकती हैं।

**सम्मतियाँ भेजने की अंतिम तिथि : 10 July 2024**

सम्मतियाँ, यदि कोई हों तो, कृपया यहाँ क्लिक करके ऑनलाइन पोर्टल के माध्यम से ऊपर दी गयी अंतिम तिथि तक दर्ज कराएं।

यह/ये प्रलेख भारतीय मानक ब्यूरो की वेबसाइट [www.bis.gov.in](http://www.bis.gov.in) पर भी उपलब्ध है/हैं।

धन्यवाद।

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