

## केन्द्रीय मुहर विभाग -2

संदर्भ -: के.वि.मु.-2/16:4398

21 10 2020

**विषय: IS 4398:1994 के संशोधन सं 2 के अनुपालन के दिशा निर्देश**

यह उपरोक्त विषय के संदर्भ में है।

सक्षम अधिकारी द्वारा अनुमोदित दिशा निर्देश अनुपालन हेतु संलग्न है।

सभी क्षेत्रीयसुनिश्चित से प्रभाव तत्काल अनुपालन का दिशानिर्देशों उपरोक्त की है अनुरोध से कार्यालयों शाखा/। करें

**आदित्य दास  
वैज्ञानिक D**

**प्रमुख (के मू वी-2)**

**सभी क्षेत्रीय/शाखा कार्यालय/ FMCD /प्रयोगशालाएँ/MTD/LPPD**

## CENTRAL MARKS DEPARTMENT-2

Our Ref: CMD-2/16:4398

21 10 2020

**Subject: Guidelines for implementation of Amendment No. 2 to IS 4398:1994**

This has reference to the subject mentioned above.

The Competent Authority has approved the enclosed Guidelines for implementation.

All ROs/BOs are requested to ensure the implementation of the above Guidelines with immediate effect.

**(Aditya Das)  
Scientist D**

**Head (CMD-2)**

**All ROs/BOs/FMCD/Labs/MTD/LPPD**

**CENTRAL MARKS DEPARTMENT-2**

Our Ref: CMD-2/16:4398

Date: 21 10 2020

**Subject: Guidelines for implementation of Amendment No. 2 to IS 4398:1994 –  
(Carbon Chromium Steel for the Manufacture of Balls, Rollers and Bearing Races)**

1. Amendment No. 2 to IS 4398:1994 has been published. The amendment shall be implemented with effect from **17<sup>th</sup> December 2020**.
2. The only changes through this amendment is as follows:

| Clause | Change   |
|--------|--|
| 2      | Cross reference standards have been updated as per the extant versions |
| 17.4   | BIS Certification Marking Clause has been updated                      |

3. All BOs shall inform the Applicants and Licensees under their jurisdiction about implementation of the above amendment **within a week of issuance of these guidelines**.
4. There are no changes in the existing STI.

**Aditya Das  
Sc. D**

**Head (CMD-2)**  
**DDG (Certification)**

# AMENDMENT NO. 2 SEPTEMBER 2020

## TO

### IS 4398 : 1994 CARBON CHROMIUM STEEL FOR THE MANUFACTURE OF BALLS, ROLLERS AND BEARING RACES

( *Second Revision* )

(Page 1, clause 2) — Substitute the following for the existing clause:

#### ‘2 REFERENCES

The following standards contain provisions, which through reference in this text, constitute provisions of this standard. At the time of publication the editions indicated were valid. All standards are subject to revision and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

| <i>IS No.</i>                              | <i>Title</i>   |
|--|--|
| 228 (in Parts)                             | Methods of chemical analysis of steel  |
| 1500 (Part 1) : 2019/<br>ISO 6506-1 : 2014 | Metallic materials — Brinell hardness test: Part 1<br>Test method ( <i>fifth revision</i> )  |
| 1586 (Part 1) : 2018/<br>ISO 6508-1 : 2016 | Metallic materials — Rockwell hardness test: Part 1<br>Test method ( <i>fifth revision</i> )   |
| 3739 : 1987                                | Dimensional tolerances for carbon and alloy<br>constructional steel ( <i>first revision</i> )  |
| 4163 : 2004/<br>ISO 4967 : 1998            | Steel — Determination of content of nonmetallic<br>inclusions — Micrographic method using standard<br>diagrams ( <i>third revision</i> ) |
| 4748 : 2009/<br>ISO 643 : 2003             | Steels — Micrographic determination of the<br>apparent grain size ( <i>second revision</i> )   |
| 6396 : 2000                                | Method of measuring decarburized depth of steel<br>( <i>second revision</i> )  |

| <i>IS No.</i>                  | <i>Title</i>   |
|--------------------------------|--|
| 8910 : 2010/<br>ISO 404 : 1992 | General technical delivery requirements for steel and steel products ( <i>first revision</i> ) |
| 11371 : 1985                   | Method for macroetch test of wrought steel products'   |

(Page 1, clause 3, line 2) — Substitute 'IS 8910' for 'IS 8910 : 1978'.

(Page 4, clause 8.1, line 2) — Substitute 'IS 1500 (Part 1)' for 'IS 1500 : 1983'.

(Page 4, clause 8.1, line 2) — Substitute 'IS 1586 (Part 1)' for 'IS 1586 : 1988'.

(Page 4, clause 9.1, line 3) — Substitute 'IS 4163' for 'IS 4163 : 1982'.

(Page 5, clause 10.1, line 5) — Substitute 'IS 6396' for 'IS 6396 : 1983'.

(Page 5, clause 10.3, line 2) — Substitute 'IS 4748' for 'IS 4748 : 1985'.

(Page 5, clause 12.1, line 1) — Substitute 'IS 11371' for 'IS 11371 : 1985'.

(Page 5, clause 14.1, line 3) — Substitute 'IS 3739' for 'IS 3739 : 1987'.

(Page 5, clause 14.2, line 2) — Substitute 'IS 3739' for 'IS 3739 : 1987'.

(Page 6, clause 14.4, line 4) — Substitute 'IS 3739' for 'IS 3739 : 1987'.

(Page 6, clause 17.4) — Substitute the following for the existing clause:

#### **'17.4 BIS Certification Marking**

The material may also be marked with the Standard Mark.

**17.4.1** The product (s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *BIS Act*, 2016 and the Rules and Regulations framed thereunder, and the products may be marked with the standard mark.'

(MTD 16)

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