

BUREAU OF INDIAN STANDARDS

Draft Indian Standard

**Metallic materials — Charpy pendulum impact test —
Part 3: Preparation and characterization of Charpy V-notch test
pieces for indirect verification of pendulum impact machines**

[Third Revision of IS 1757 (Part 3)]

ICS 77.040.10

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**Last date for receipt of
comments is 15 March 2012**

NATIONAL FOREWORD

This draft Indian Standard which is identical with ISO 148-3:2008 'Metallic materials — Charpy pendulum impact test — Part 3: Preparation and use of Charpy V-notch test pieces for indirect verification of pendulum impact machines' issued by the International Organization for Standardization (ISO) is to be adopted by the Bureau of Indian Standards on the recommendation of the Mechanical Testing of Metals Sectional Committee (MTD 3) and approval of the Metallurgical Engineering Division Council..

This revision has been undertaken to harmonize it with the latest developments taken place at international level. The committee has now decided to adopt this standard under dual numbering system and make it align with ISO 148-3. ISO 148 consists of the 3 parts, under the general title Metallic materials — Charpy pendulum impact test. The other parts in this series are:

Part 1: Tensile testing machines

Part 2: Verification of testing machines

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain terminology and conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words 'International Standard' appear, referring to this standard, they should be read as 'Indian Standard'
- b) Comma (,) has been used as a decimal marker while in Indian Standards the current practice is to use a point (.) as the decimal marker.

This standard supersedes IS 15420:2003 'Metallic materials-charpy pendulum impact test – preparation and characterization of charpy V-reference test pieces for verification of test machines'.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exists. The corresponding Indian Standards which are to be substituted in their respective places are listed below along with their degree equivalence for the editions indicated:

| International Standard | Corresponding Indian Standard | Degree of Equivalence |
|--|-------------------------------|-----------------------|
| ISO 148-1 Metallic materials — Charpy pendulum impact test — Part 1: Test method | Doc: MTD 3(5127) | Identical |
| ISO 148-2 Metallic materials — Charpy pendulum impact test — Part 2: Verification of testing machines | Doc: MTD 3(5128) | Identical |

In reporting the results of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS 2:1960 'Rules for rounding off numerical values (*revised*)'.

The complete document/text of **ISO 148-3:2008 'Metallic materials — Charpy pendulum impact test — Part 3: Preparation and characterization of Charpy V-notch test pieces for indirect verification of pendulum impact machines'** may be made available, on request to:

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