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BS EN 10045-1:1990 Charpy impact test on metallic materials. Test method (V- and U-notches)

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Abbreviation

BS EN 10045-1:1990

Valid from

31/10/1990

Information provider

Standards New Zealand

Author

British Standards Institution

Information type

British Standard

Format

Hard copy

Cited By

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Cites

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Description

This European Standard, a part of the BS EN 10045 series, describes the Charpy impact test (U and V-notch) for metallic materials.

For certain particular metallic materials and applications, the Charpy impact test may be the subject of specific standards and particular requirements.

The test consists of breaking by one blow from a swinging pendulum, under defined conditions, a test piece notched in the middle and supported at each end. The energy absorbed is determined in joules. This absorbed energy is a measure of the impact strength of the material.

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- [BS EN 10253-2:2007](#)

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- [BS 7777-2:1993](#)

BS EN 10045-1:1990 is cited by BS 7777-2:1993 Flat-bottomed, vertical, cylindrical storage tanks for low temperature service. Specification for the design and construction of single, double and full containment metal tanks for the storage of liquefied gas at temperatures down to -165

- [BS 7777-3:1993](#)

BS EN 10045-1:1990 is cited by BS 7777-3:1993 Flat-bottomed, vertical, cylindrical storage tanks for low temperature service. Recommendations for the design and construction of prestressed and reinforced concrete tanks and tank foundations, and for the design and installation of tank

- [NZS/BS 970.1:1991](#)

BS EN 10045-1:1990 is cited by NZS/BS 970.1:1991 Specification for wrought steels for mechanical and allied engineering purposes - General inspection and testing procedures and specific requirements for carbon, carbon manganese, alloy and stainless steels

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Other

- [BS HBK19:ADDPKT1:1970](#)

BS EN 10045-1:1990 cites BS HBK19:ADDPKT1:1970 Methods For The Sampling And Analysis Of Iron, Steel And Other Ferrous Metals - Addendum Packet Number 1

- [BS HBK19:ADDPKT2:1970](#)

BS EN 10045-1:1990 cites BS HBK19:ADDPKT2:1970 Methods For The Sampling And Analysis Of Iron, Steel And Other Ferrous Metals - Addendum Packet Number 2

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