AS 1391-2007 (R2017) Metallic materials - Tensile testing at ambient temperature

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Abbreviation
AS 1391-2007
Version
Reconfirmed in 2017
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Information provider
SAI Global
Author
Standards Australia
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Cited By
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Description

This Standard specifies methods by which a test piece of metal is strained in uni-axial tension at room temperature in order to determine one or more of its tensile properties. It defines the properties to be determined and the terms used in describing tests and test pieces.

The Standard also specifies the dimensions of standard test pieces and methods for tensile testing a wide range of product forms. Where material Standards (product Standards) specify the dimensions of the test piece, those dimensions take precedence over the dimensions which are specified in Appendices A and C.

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  AS 1391-2007 is cited by Verification Method B1/VM1: Structure - General from 04/11/2016

- AS 1397-2011

  AS 1391-2007 is cited by AS 1397-2011 Continuous hot-dip metallic coated steel sheet and strip - Coatings of zinc and zinc alloyed with aluminium and magnesium

- AS/NZS 1163:2016

  AS 1391-2007 is cited by AS/NZS 1163:2016 Cold-formed structural steel hollow sections

- AS/NZS 2280:2014

  AS 1391-2007 is cited by AS/NZS 2280:2014 Ductile iron pipes and fittings

- AS/NZS 3678:2016

  AS 1391-2007 is cited by AS/NZS 3678:2016 Structural steel - Hot-rolled plates, floorplates and slabs

- AS/NZS 3679.1:2016

  AS 1391-2007 is cited by AS/NZS 3679.1:2016 Structural steel - Part 1: Hot-rolled bars and sections

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This document CITES:

Australian Standards

- AS 1545-1976 (R2017)

  AS 1391-2007 cites AS 1545-1976 (R2017): Methods for the calibration and grading of extensometers

- AS 2193-2005

  AS 1391-2007 cites AS 2193-2005 (R2017) Calibration and classification of force-measuring systems

- ISO 2566-2:1984

  AS 1391-2007 cites ISO 2566-2:1984: Steel - Conversion of elongation values Part 2: Austenitic Steel

Other

- ISO 2566-1:1984

  AS 1391-2007 cites ISO 2566-1:1984 Carbon and low alloy steels

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