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AS/NZS 4291.1:1995
ISO 898-1:1988

Australian/New Zealand Standard

Mechanical properties of fasteners

Part 1: Bolts, screws and studs

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The following interests are represented on Committee ME/29:

Australian Chamber of Commerce and Industry
Bureau of Steel Manufacturers of Australia
Electricity Supply Association of Australia
Fasteners Institute of Australia
Federal Chamber of Automotive Industries
Metal Building Products Manufacturers Association
Metal Trades Industry Association of Australia
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Part 1: Bolts, screws and studs

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee on Fasteners. It is identical with, and has been reproduced from ISO 898-1:1988, *Mechanical properties of fasteners* Part 1: *Bolts, screws and studs*.

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Statements expressed in mandatory terms in notes to tables and figures are deemed to be requirements of this Standard.

For the purpose of this Standard, the ISO text should be modified as follows:

(a) *Terminology* The words 'Joint Australian/New Zealand Standard', should replace the words 'International Standard' wherever they appear.

(b) *References* The references to International Standards should be replaced by references to the following Australian Standards:

Reference to International Standard		*Australian Standard*	
ISO		AS	
1	Standard reference temperature for industrial length measurements	—	
68	ISO general purpose screw threads—Basic profile	1721	General purpose metric screw threads
83	Steel— Charpy impact test (U-notch)	1544 1544.3	Methods for impact tests on metals Part 3: Charpy U-notch and keyhole notch
225	Fasteners— Bolts, screws, studs and nuts— Symbols and designations of dimension	—	
261	ISO general purpose metric screw threads— General plan	1721	General purpose metric screw threads
262	ISO general purpose metric screw threads— Selected sizes for screws, bolts and nuts	1721	General purpose metric screw threads
273	Fasteners— Clearance holes for bolts and screws	—	
965	ISO general purpose metric screw threads—Tolerances	1721	General purpose metric screw threads
965.1	Part 1: Principles and basic data	1721	General purpose metric screw threads
965.2	Part 2: Limits or sizes for general purpose bolt and nut threads— Medium quality		
6157	Fasteners—Surface discontinuities		
6157.1	Part 1: Bolts, screws and studs for general requirements	—	
6157.3	Part 3: Bolts, screws and studs for special requirements	—	

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ISO		AS	
6506	Metallic materials—Hardness test—Brinell test	1816	Metallic materials—Brinell hardness test
6507	Metallic materials—Hardness test—Vickers test		
6507.1	Part 1: HV 5 to HV 100	1817	Metallic materials—Vickers hardness test
6507.2	Part 2: HV 0.2 to less than HV 5	—	
6508	Metallic materials—Hardness test—Rockwell test—Scales A, B, C, D, E, F, G, H, K.	1815	Metallic materials—Rockwell hardness test
6892	Metallic materials—Tensile testing	1391	Methods for tensile testing of metals

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