

Australian/New Zealand Standard™

**Powder-actuated (PA) hand-held
fastening tools**

Part 4: Fasteners

AS/NZS 1873.4:2003

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee SF-029, Explosive Powered Tools, Fasteners and Charges. It was approved on behalf of the Council of Standards Australia on 14 February 2003 and on behalf of the Council of Standards New Zealand on 24 January 2003. It was published on 5 March 2003.

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Australian/New Zealand Standard™

Powder-actuated (PA) hand-held fastening tools

Part 4: Fasteners

Originated as part of AS 1873—1978.
Previous edition AS/NZS 1873.4:1994.
Second edition 2003.

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Jointly published by Standards Australia International Ltd, GPO Box 5420, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

ISBN 0 7337 5071 0

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee SF-029, Explosive Powered Tools, Fasteners and Charges, to supersede AS/NZS 1873.4:1994, *Powder-actuated (PA) hand-held fastening tools*, Part 4: *Fasteners*.

The objective of this Standard is to provide users of powder-actuated (PA) hand-held fastening tools with requirements for fasteners intended for use with these tools.

This Standard is Part 4 of a series as follows:

AS/NZS

- 1873 Powder-actuated (PA) hand-held fastening tools
- 1873.1 Part 1: Selection, operation and maintenance
- 1873.2 Part 2: Design and construction
- 1873.3 Part 3: Charges
- 1873.4 Part 4: Fasteners

Changes in this revision include clarification of the material and mechanical requirements for fasteners.

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Australian/New Zealand Standard
Powder-actuated (PA) hand-held fastening tools

Part 4: Fasteners

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard sets out requirements for fasteners for use with powder-actuated hand-held fastening tools complying with AS/NZS 1873.2.

1.2 APPLICATION

This Standard applies to all fasteners nominated for use in powder-actuated hand-held fastening tools complying with AS 1873.2.

1.3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

1275	Metric screw threads for fasteners
1391	Methods for tensile testing of metals
1721	General purpose metric screw threads
1789	Electroplated coating—Zinc on iron or steel
1815	Metallic materials—Rockwell hardness test (series)
1817	Metallic materials—Vickers hardness test (series)

AS/NZS

1873	Powder-actuated (PA) hand-held fastening tools
1873.2	Part 2: Design and construction

1.4 DEFINITIONS

For the purpose of this Standard, the definitions given below apply.

1.4.1 Base material

The material into which the fastener shank is driven and from which the holding power is obtained.

1.4.2 Charge

A cased cartridge or a caseless pellet of explosive, designed specifically for a powder-actuated hand-held fastening tool.

NOTE: A charge may also be referred to as an 'explosive charge' or a 'power load'.

1.4.3 Contact force

The force applied to the tool by the operator to prepare the tool for firing.