

Australian/New Zealand Standard™

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

Part 3: Charges

AS/NZS 1873.3:2003

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 3: Charges

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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 1873.3:1994 *Powder-actuated (PA) hand-held fastening tools, Part 3: Charges*.

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

This Standard is Part 3 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

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

Part 3: Charges

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

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

1.2 APPLICATION

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

1.3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

2700 Colour standards for general purposes

AS/NZS

1873 Powder-actuated (PA) hand-held fixing tools

1873.2 Part 2: Design and construction

PATMI Powder Actuated Tool Manufacturers Institute (www.patmi.org/standard.html)

1.4 DEFINITIONS

For the purpose of this Standard, the definitions 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 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.

1.4.4 Explosive charge

See 'Charge'.

1.4.5 Explosive-powered hand-held fastening tool

See 'Powder-actuated hand-held fastening tool'.