

Australian Standard[®]

Safety of machinery

**Part 3001: Materials forming and
shearing—Mechanical power presses**



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- Australian Chamber of Commerce and Industry
 - Australian Council of Trade Unions
 - Australian Industry Group
 - Department of the Premier and Cabinet SA
 - Federal Chamber of Automotive Industries
 - Safety Institute of Australia
 - WorkCover New South Wales
 - WorkSafe Victoria
-

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**Part 3001: Materials forming and
shearing—Mechanical power presses**

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PREFACE

This Standard was prepared by the Standards Australia Committee SF-008, Guarding of Power Presses to supersede, in part, AS 1219—1994, *Power presses—Safety requirements*.

This Standard is based upon but not equivalent to EN 692:1997, *Mechanical presses—Safety* and is part of the AS 4024, *Safety of machinery* series of Standards.

Requirements for hydraulic power presses are set out in AS 4024.3002, *Safety of machinery, Part 3002: Materials forming and shearing—Hydraulic power presses*.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

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STANDARDS AUSTRALIA**Australian Standard
Safety of machinery****Part 3001: Materials forming and shearing—Mechanical power presses****SECTION 1 SCOPE AND GENERAL****1.1 SCOPE**

This Standard specifies technical safety requirements and measures for the design, manufacture and supply of mechanical presses that are intended to work cold metal or material partly of cold metal. In operations involving hot working and the use of tongs during the machine cycle, the principles given in AS 4024.1 (series) should be considered, but may not be capable of being fully applied. This Standard should be read in conjunction with AS 4024.1 (series).

This Standard also covers presses whose primary intended use is to work cold metal, but which are used in a similar way to work other materials (e.g. cardboard, plastic, rubber or leather), and metal powder.

The requirements in this Standard take account of intended use. This Standard presumes access to the press from all directions and specifies the safety measures for both the operator and other exposed persons.

This Standard also applies to ancillary devices that are integral parts of the press. For the safeguarding of integrated manufacturing systems using presses, see also ISO 11161.

This Standard does not cover machines whose principal designed purpose is—

- (a) sheet metal or paper cutting by guillotine (see AS 1893);
- (b) attaching a fastener, e.g. riveting, stapling or stitching;
- (c) bending or folding by brake presses;
- (d) straightening;
- (e) turret punch pressing;
- (f) extruding;
- (g) drop forging or drop stamping;
- (h) compaction of metal powder;
- (i) single purpose punching machines designed exclusively for profiles, e.g. for the construction industry; or
- (j) printing presses.

1.2 OBJECTIVE

The objective of this Standard is to enable designers, manufacturers, suppliers and users of mechanical power presses to reduce the risks to the health and safety of those persons working with or near mechanical power presses.