

Australian Standard[®]

Safety of machinery

**Part 3002: Materials forming and
shearing—Hydraulic power presses**



This Australian Standard® was prepared by Committee SF-008, Guarding of Power Presses. It was approved on behalf of the Council of Standards Australia on 16 March 2009. This Standard was published on 18 May 2009.

The following are represented on Committee SF-008:

- 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
-

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**Part 3002: Materials forming and
shearing—Hydraulic 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*.

The Standard is one of a series dealing with the safety of power presses. It is based upon but not equivalent to EN 693:2001, *Machine tools—Safety—Hydraulic presses* in order to maintain consistency with AS 4024.1, *Safety of machinery* series of Standards.

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 3002: Materials forming and shearing—Hydraulic power presses**

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies technical safety requirements and measures for hydraulic 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 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 are also used in a similar way to work other sheet materials (e.g. cardboard, plastic, rubber or leather), and metal powder.

The requirements in this Standard take account of the intended use of the power press. This Standard presumes access to the press from all directions, deals with the hazards (described in Section 2) and specifies safety measures for both the operator and other exposed persons.

The Standard also applies to ancillary devices that are integral to the press.

NOTE: 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, hot 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, employers and users of hydraulic power presses to reduce the risks to the safety of persons working with or near hydraulic power presses.