

Australian Standard™

**Technical drawings—General principles
of presentation**

**Part 22: Basic conventions and
applications for leader lines and
reference lines**

This Australian Standard was prepared by Committee ME-072, Technical Drawings. It was approved on behalf of the Council of Standards Australia on 9 March 2005. This Standard was published on 4 May 2005.

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Department of Education, Training and Employment (South Australia)
Design Association of New Zealand
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Master Builders Australia
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PREFACE

This Standard was prepared by the Standards Australia Committee ME-072, Technical Drawings.

This Standard is identical with and reproduced from ISO 128-22:1999, *Technical drawings—General principles of presentation, Part 22: Basic conventions and applications for leader lines and reference lines*.

This Standard is Part 22 of the AS ISO 128.1 series, *Technical drawings—General principles of presentation*, as follows:

AS ISO

128	Technical drawings—General principles of presentation
128.1	Part 1: Introduction and index
128.20	Part 20: Basic conventions for lines
128.21	Part 21: Preparation of lines by CAD systems
128.22	Part 22: Basic conventions and applications for leader lines and reference lines (this Standard)
128.23	Part 23: Lines on construction drawings
128.24	Part 24: Lines on mechanical engineering drawings
128.25	Part 25: Lines on shipbuilding drawings

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<i>Reference to International Standard</i>		<i>Australian Standard</i>	
ISO		AS ISO	
128	Technical drawings—General principles of presentation	128	Technical drawings—General principles of presentation
128-20	Part 20: Basic conventions for lines	128.20	Part 20: Basic conventions for lines

AUSTRALIAN STANDARD

Technical drawings — General principles of presentation —

Part 22:

Basic conventions and applications for leader lines and reference lines

1 Scope

This part of ISO 128 specifies general rules on the presentation of leader and reference lines and their components as well as on the arrangement of instructions on or at leader lines in all kinds of technical documents.

2 Normative reference

The following normative document contains provisions which, through reference in this text, constitute provisions of this part of ISO 128. For dated references, subsequent amendments and/or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 128 are encouraged to investigate the possibility of applying the most recent edition of the normative document indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 128-20:1996, *Technical drawings — General principles of presentation — Part 20: Basic conventions for lines*.

3 Terms and definitions

For the purposes of this part of ISO 128, the following terms and definitions apply.

3.1

leader line

continuous narrow line which establishes the connection between the features of a graphical representation and additional alphanumeric and/or written instructions (notes, technical requirements, item references, etc.) in an unambiguous manner

3.2

reference line

continuous narrow line connecting with the leader line horizontally or vertically and on or at which the additional instructions are indicated

4 Presentation of leader lines

Leader lines are executed as continuous narrow lines in accordance with ISO 128-20. They are drawn preferably at an angle to the relevant representation and/or the frame limiting the drawing sheet, and not parallel to adjacent lines, e.g. hatching lines. The inclination to the relevant lines shall be $> 15^\circ$. See Figures 1 to 13.

Leader lines may be drawn with sharp kinks (see Figure 5), and two or more leader lines may be joined up (see Figures 2, 5, 7, 8 and 11). They should not cross other leader lines, reference lines or indications, such as graphical symbols or dimensional values.