

Australian Standard™

**Technical drawings—General principles
of presentation**

Part 20: Basic conventions for lines

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Design Association of New Zealand
Institute for Drafting and Design Australia
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 128-20:1996, *Technical drawings—General principles of presentation, Part 20: Basic conventions for lines*.

This Standard is Part 20 of the AS ISO 128 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 (this Standard)
128.21	Part 21: Preparation of lines by CAD systems
128.22	Part 22: Basic conventions and applications for leader lines and reference lines
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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INTRODUCTION

ISO 128-20 was prepared as ISO/DIS 12011-1.

ISO 128-20 contains generally applicable rules for the presentation of lines in all kinds of technical product documentation.

The application of lines within drawings of special technical fields varies considerably. Therefore rules of application are not given in this part of ISO 128.

Other International Standards containing rules for lines in specialized fields are listed in annex A.

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AUSTRALIAN STANDARD

Technical drawings — General principles of presentation —

Part 20:

Basic conventions for lines

1 Scope

This part of ISO 128 establishes the types of lines, their designations and their configurations, as well as general rules for draughting of lines used in technical drawings, e.g. diagrams, plans or maps.

2 Definitions

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

2.1 line: Geometrical object, the length of which is more than half of the line width and which connects an origin with an end in any way (e.g. straight, curved, without or with interruptions).

NOTES

- 1 The origin and the end may coincide with one another, e.g. in the case of a line forming a circle.
- 2 A line the length of which is less than or equal to half of the line width, is called a dot.
- 3 Care should be made in order to check the appearance of drawings intended to be microcopied or transferred by fax.

2.2 line element: Single part of a non-continuous line, e.g. dots, dashes, which vary in length, and gaps.

2.3 line segment: Group of two or more different line elements which form a non-continuous line, e.g. long dash/gap/dot/gap/dot/gap.