AS 1101.1—2007

Australian Standard®

Graphic symbols for general engineering

Part 1: Hydraulic and pneumatic systems

This Australian Standard® was prepared by Committee ME-035, Fluid Power Systems and Components. It was approved on behalf of the Council of Standards Australia on 14 November 2007.
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- Australian Chamber of Commerce and Industry
- Australian Industry Group
- Bureau of Steel Manufacturers of Australia
- Engineers Australia
- NSW Department of Primary Industries, Mineral Resources

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Part 1: Hydraulic and pneumatic systems

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PREFACE

This Standard was prepared by the Standards Australia Committee ME-035, Fluid Power Systems and Components to supersede AS 1101.1—1993, *Graphic symbols for general engineering,* Part 1: *Hydraulic and pneumatic systems*.

The objective of this Standard is to provide those involved in the design, manufacture, operation and maintenance of fluid power systems with a system of graphic symbols for use on components and circuit diagrams and for data-processing applications.

This Standard is identical with and has been reproduced from ISO 1219-1:2006, *Fluid power systems and components—Graphic symbols and circuit diagrams,* Part 1: *Graphic symbols for conventional use and data-processing applications*.

The term 'informative' has been used in this Standard to define the application of the annex to which it applies. An 'informative' annex is only for information and guidance.

As this Standard is reproduced from an international standard, the following applies:

(a) Its number appears on the cover and title page while the international standard number appears only on the cover.

(b) In the source text 'this part of ISO 1219' should read 'this Australian Standard.'

(c) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

Reference to International Standard		*Australian Standard/New Zealand Standard*	
ISO		AS ISO	
128	Technical drawings—General principles of presentation (All parts)	128	Technical drawings—General principles of presentation (All parts)
1219	Fluid power systems and components—Graphic symbols and circuit diagrams	—	
1219-2	Part 2: Circuit diagrams	—	
3095	Technical product documentation—Lettering	—	
3095-5	Part 5: CAD lettering of the Latin alphabet, numerals and marks	—	
		AS	
5598	Fluid power systems and components—Vocabulary	4061	Fluid power systems and components—Vocabulary
14617	Graphical symbols for diagrams (All parts)	—	
81714	Design of graphical symbols for use in the technical documentation of products	—	
81714-1	Part 1: Basic rules	—	

IEC		AS
81714	Design of graphical symbols for use in the technical documentation of products	—
81714-2	Part 2: Specification of graphical symbols in a computer sensible form, including graphical symbols for a reference library and requirements for their interchange	

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AUSTRALIAN STANDARD

Graphic symbols for general engineering

Part 1:
Hydraulic and pneumatic systems

1 Scope

This part of ISO 1219 establishes basic elements for symbols. It lays down rules for devising fluid power symbols for use on components and in circuit diagrams.

This part of ISO 1219 is a collective application standard of the ISO 14617 series. In this part of ISO 1219, the symbols are designed in fixed dimensions to be used directly in data processing systems, which might result in different variants.

NOTE In addition to terms in English and French, two of the three official ISO languages, this part of ISO 1219 gives the equivalent terms in German; these are published under the responsibility of the member body for Germany (DIN). However, only the terms and definitions given in the official languages can be considered as ISO terms and definitions.

1 Domaine d'application

La présente partie de l'ISO 1219 définit les éléments de base des symboles. Elle établit les règles de formation des symboles des transmissions hydrauliques et pneumatiques à utiliser sur les composants et les schémas de circuit.

La présente partie de l'ISO 1219 est une application collective de la série de normes ISO 14617. Dans la présente partie de l'ISO 1219, les symboles sont dessinés avec des dimensions fixes pour être directement utilisés dans les systèmes de traitement de données, qui peuvent avoir comme conséquences différentes variantes.

NOTE En complément des termes en anglais et en français, deux des trois langues officielles de l'ISO, la présente partie de l'ISO 1219 donne les termes équivalents en allemand; ces termes sont publiés sous la responsabilité du comité membre allemand (DIN). Toutefois, seuls les termes et définitions donnés dans les langues officielles peuvent être considérés comme étant des termes et définitions de l'ISO.