

BS ISO 5859:2014



BSI Standards Publication

# Aerospace series — Graphic symbols for schematic drawings of hydraulic and pneumatic systems and components

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**National foreword**

This British Standard is the UK implementation of ISO 5859:2014.

The UK participation in its preparation was entrusted to Technical Committee ACE/69, Aerospace hydraulic systems, fluids and components.

A list of organizations represented on this committee can be obtained on request to its secretary.

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**5859**

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**Aerospace series — Graphic symbols  
for schematic drawings of hydraulic  
and pneumatic systems and  
components**

*Série aérospatiale — Symboles graphiques pour schémas de circuits  
de transmissions hydrauliques et pneumatiques*



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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 10, *Aerospace fluid systems and components*.

This second edition cancels and replaces the first edition (ISO 5859:1991), which takes into account revision B of SAE AS 1290.

# Aerospace series — Graphic symbols for schematic drawings of hydraulic and pneumatic systems and components

## 1 Scope

This International Standard establishes a system of graphic symbols of hydraulic and pneumatic circuits and components for all types of aerospace systems.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

SAE AS 1290 B, *Graphic Symbols for Aircraft Hydraulic and Pneumatic Systems*<sup>1)</sup>

## 3 Requirements

Requirements are specified in SAE AS 1290 B, which is a revision of SAE AS 1290 A, which is adopted as a *de facto* ISO International Standard.

## 4 Identification statement

Use the following statement when electing to comply with ISO 5859:

“Graphic symbols are in accordance with ISO 5859, *Aerospace series — Graphic symbols for schematic drawings of hydraulic and pneumatic systems and components.*”

## 5 Revision of SAE AS 1290 B

It has been agreed with the SAE that Technical Committee ISO/TC 20/SC 10 will be consulted in the event of any revision or amendment of SAE AS 1290 B.

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1) Copies of the original text in English are available from SAE International, 400 Commonwealth Drive, Warrendale, PA, 15096-0001, USA.







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