

Specification for

**Designation of the
direction of rotation
and of cylinders and
valves in cylinder
heads, and definition of
right-hand and
left-hand in-line
engines and locations
on an engine for
reciprocating internal
combustion engines**

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Machinery and Components Standards Policy Committee (MCE/-) to Technical Committee MCE/14, upon which the following bodies were represented:

- Association of Consulting Engineers
- British Railways Board
- Ministry of Defence
- Society of Motor Manufacturers and Traders Limited

The following bodies were also represented in the drafting of the standard, through subcommittees and panels:

- Association of British Generating Set Manufacturers
- BEAMA Ltd.
- Health and Safety Executive
- Marine Engine and Equipment Manufacturers Association

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National foreword

This British Standard has been prepared under the direction of the Machinery and Components Standards Policy Committee and is identical with ISO 1204:1990 “*Reciprocating internal combustion engines — Designation of the direction of rotation and of cylinders and valves in cylinder heads, and definition of right-hand and left-hand in-line engines and locations on an engine*”, published by the International Organization for Standardization (ISO).

This revision of BS 5672 supersedes BS 5672:1979, which is withdrawn. This revision also incorporates the content of BS 5673:1979, BS 5674:1979 and BS 5675:1979, each of which is withdrawn.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 10, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

1 Scope

This International Standard specifies methods of designating the direction of rotation and the cylinders of reciprocating internal combustion engines and of designating a specific valve in a cylinder head when the cylinder head is mounted on the engine or dismantled.

It defines right-hand and left-hand in-line reciprocating internal combustion engines and locations on a reciprocating internal combustion engine so that the position of equipment on the engine can be described.

It applies to reciprocating internal combustion engines for land, rail-traction and marine use, excluding engines used to propel agricultural tractors, road vehicles and aircraft. It may be applied to engines used to propel road-construction and earth-moving machines, industrial trucks and for other applications where no suitable International Standard for these engines exists.

2 Definitions of locations on an engine

For the purposes of this International Standard, the following definitions apply (see Figure 1).

NOTE 1 For the position of the observer, see clause 4.

2.1

driving end

the portion of the engine which is substantially nearest to the observer

2.2

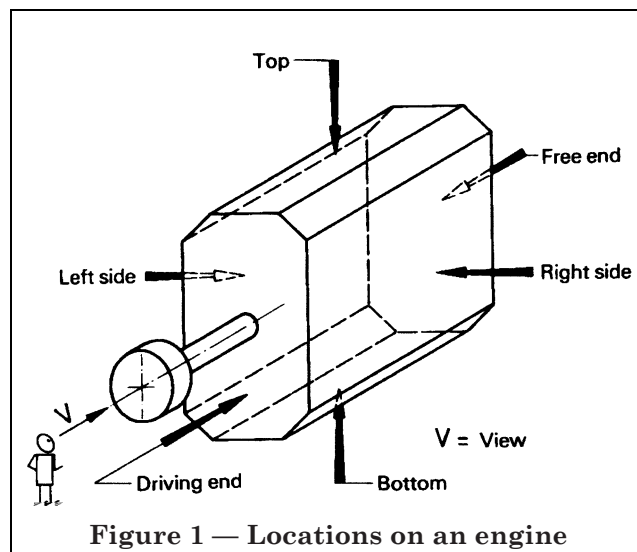
free end

the portion of the engine which is substantially most remote from the observer

2.3

left side

the portion of the engine which is substantially on the left of the engine as viewed by the observer



2.4

right side

the position of the engine which is substantially on the right of the engine as viewed by the observer

2.5

top

the portion of the engine which is substantially at the top of the engine as viewed by the observer

2.6

bottom

the portion of the engine which is substantially at the bottom of the engine as viewed by the observer

NOTE 2 In the case of an engine with a vertical driving shaft, it is not possible to determine the left side, right side, top and bottom. The definition of driving end only may be used and other locations must be described by the manufacturer by reference to easily identifiable components.

2.7

operating side

the portion of the engine where the engine is started, controlled during the operation and stopped

2.8

exhaust side

the portion of the engine where the exhaust manifold is located