INTERNATIONAL STANDARD

ISO 1204

Second edition
1990-12-15

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

Moteurs alternatifs à combustion interne — Désignation du sens de rotation et des cylindres et des soupapes dans les culasses, et définition des moteurs en ligne à droite et à gauche et des emplacements sur un moteur



Reference number
ISO 1204:1990(E)

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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 1204 was prepared by Technical Committee ISO/TC 70, *Internal combustion engines*.

This second edition cancels and replaces the first edition (ISO 1204:1972), as well as ISO 1205:1972, ISO 2276:1972 and ISO 3249:1975. These standards have been combined into one standard and a new clause covering the designation of valves in cylinder heads of reciprocating internal combustion engines has been added.

© ISO 1990
All rights reserved. No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Organization for Standardization
Case Postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

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

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 by 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.

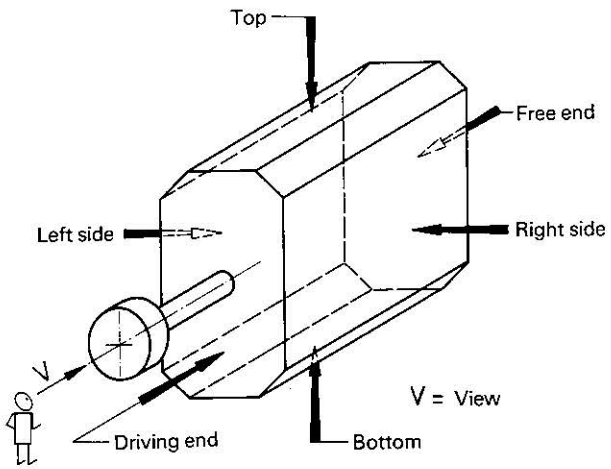


Figure 1 — Locations on an engine