



BSI Standards Publication

Diesel engines — Clamp mounted CR fuel injectors — Mounting dimensions

National foreword

This British Standard is the UK implementation of ISO 12251:2017. It supersedes BS ISO 12251:2011, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee MCE/22, Engines for road vehicles.

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

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© The British Standards Institution 2017
Published by BSI Standards Limited 2017

ISBN 978 0 580 92509 2

ICS 43.060.40

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 October 2017.

Amendments/corrigenda issued since publication

Date	Text affected
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INTERNATIONAL STANDARD

ISO
12251

Second edition
2017-09-01

Diesel engines — Clamp mounted CR fuel injectors — Mounting dimensions

*Moteurs diesels — Injecteurs de combustible pour rampe commune
fixée par patte — Dimensions de montage*



Reference number
ISO 12251:2017(E)
Documents
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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.

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This document was prepared by ISO/TC 22 *Road Vehicles*, Subcommittee SC 34 *Propulsion, powertrain, and powertrain fluids*.

This second edition cancels and replaces (ISO 12251:2011) which has been technically revised.

The main changes compared to the previous edition are as follows:

- surface specification has been referenced to ISO 1302;
- ISO 2974 has been added for the high pressure connector;
- large D and small d have been interchanged, corresponding to ISO 286-1 (large D for bores, small d for shafts);
- numbering D_1 to D_5 and d_1 to d_5 has been rearranged: same numbers now indicate same position within the assembly of injector and cylinder head;
- **Figure 5** has been completed in order to show the complete assembly and a new dimension D_3 and bore for capnut space have been added;
- D_4 has been corrected to 24,1 in **Table 2** at type A.5 (error in the first edition);
- **Table 3** has been changed: tolerances for d_3 changed to max. values and max. value for type B.2 changed from 19,1 to 19,2;
- dimension D_3 and bore for capnut space 19,3 mm have been introduced in **Table 4**;
- type B.6 has been added in **Table 3** and **Table 4**;
- Bibliography has been added.