INTERNATIONAL STANDARD

ISO 7311

Second edition 1993-07-15

Diesel engines — Heads for fuel filters with vertical flange — Mounting and connecting dimensions

iTeh STANDARD PREVIEW

Moteurs diesels — Têtes pour filtres à combustible à bride verticale — Dimensions de montage et de raccordement

ISO 7311:1993 https://standards.iteh.ai/catalog/standards/sist/30223853-251e-4def-86c9bd2532eb348e/iso-7311-1993



Reference number ISO 7311:1993(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 VIEW a vote.

International Standard ISO 7311 was prepared by Technical Committee ISO/TC 22, Road vehicles, Sub-Committee SC 7, Injection equipment and filters for use on road vehicles. ISO 7311:1993

https://standards.iteh.ai/catalog/standards/sist/30223853-251e-4def-86c9-This second edition cancels and replaces32 the 8e/first 31 edition (ISO 7311:1984), of which it constitutes a technical revision.

Annex A of this International Standard is for information only.

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International Organization for Standardization

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Diesel engines — Heads for fuel filters with vertical flange — Mounting and connecting dimensions

1 Scope

This International Standard specifies the mounting and connecting dimensions for heads for fuel filters with vertical flange for diesel (compression-ignition) engines. **Teh STANDA**

3 Dimensions and tolerances

NOTE 1 Features such as threads or bolts for use with the filters are omitted from the figures. The current size for fitment of filters is $M16 \times 1,5$.

Unless otherwise specified, the filter heads apply to bolt-on filters, and spin-on filters according to ISO 7654 having a canister outside diameter of up to 80 mm. In special cases, canisters with an outside <u>11:1993</u> diameter of up to 88 mm may be mounted to these ards/sistNOTE3253 Engine manufacturers are encouraged to use a heads.

bd2532eb348e/iso-73 centre distance 50 mm \pm 0,5 mm.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 7654:1991, Road vehicles — Spin-on fuel filters for compression-ignition engines — Mounting and connecting dimensions.

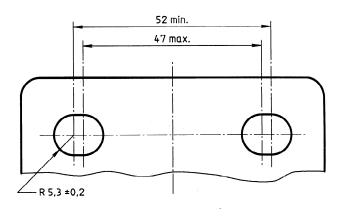


Figure 1

Dimensions in millimetres

3.2 Filter inlet and outlet ports

3.2.1 For outside sealing

See figure 2.

NOTE 3 The choice of vent threads and overflow values are left to the manufacturer.

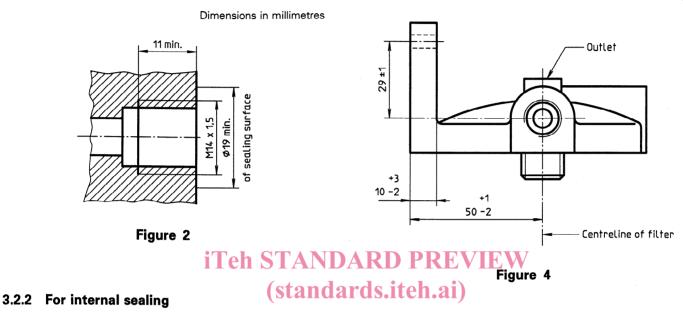
3.3 Positioning of inlet and outlet ports relative to fixing face of flange

3.3.1 Single spin-on filters with vertical outlet and three horizontal ports

See figure 4.

Dimensions in millimetres

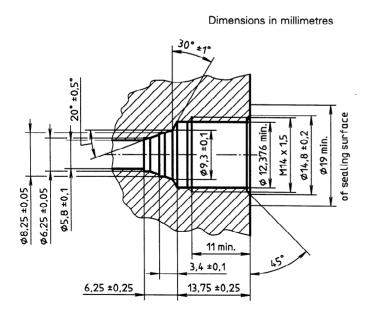
Dimensions in millimetres



See figure 3.

ISO 7.3.3.293 Single and double filters without vertical https://standards.iteh.ai/catalog/standoutlet/with two-horizontal ports

NOTE 4 The choice of vent threads and overflow valves2eb348e/iso-7311-1993 are left to the manufacturer. See figure 5.



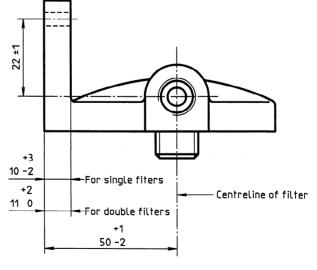


Figure 3

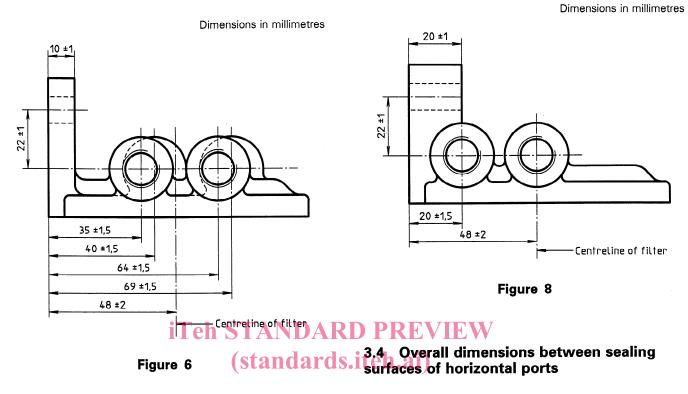
Figure 5

3.3.3 Single filters with four horizontal ports and a flange of 10 mm \pm 1 mm thickness

See figure 6.

3.3.5 Double filters with four horizontal ports

See figure 8.



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See figure 9.

3.3.4 Single filters with four horizontal ports and iso-7311-1993 a flange of 14 mm \pm 1 mm thickness 3.4.1

3.4.1 Single spin-on filters with vertical outlet and three horizontal ports

See figure 7.

Dimensions in millimetres

14 ±1 14

Figure 7

Dimensions in millimetres

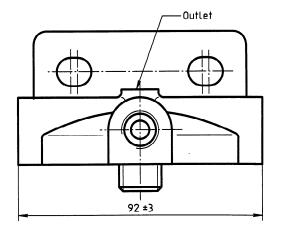


Figure 9

3.4.2 Single filters without vertical outlet with two horizontal ports

See figure 10.

Dimensions in millimetres

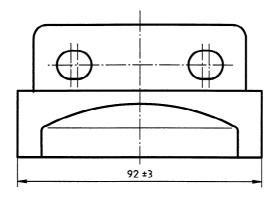


Figure 10

3.4.3 Double filters

See figure 11.

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Dimensions in millimetres

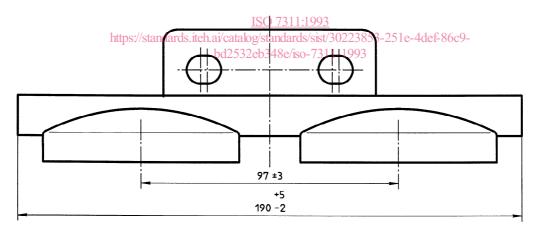


Figure 11

4

3.4.4 Double spin-on filters

See figure 12.

Dimensions in millimetres

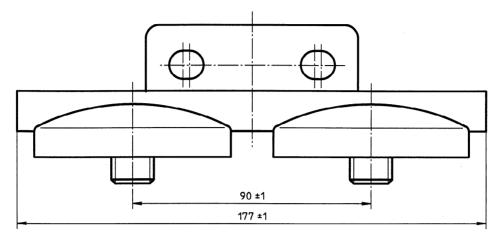


Figure 12

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Annex A

(informative)

Bibliography

- [1] ISO 7310:1993, Diesel engines Heads for spin-on fuel filters with horizontal flange — Mounting and connecting dimensions.
- [2] ISO 7576:1990, Road vehicles Two-stage fuel filters for compression-ignition engines — Mounting and connecting dimensions.
- [3] ISO 7577:1982, Road vehicles Heads for fuel filters with vertical flange and three bolt fixing for compression ignition engines — Mounting and connecting dimensions.
- [4] ISO 7774:1984, Road vehicles Compression ignition engines Single fuel filters with horizontal flange and centre bolt fixing Mounting and connecting dimensions.

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