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**Diesel engines — Base-mounted in-line  
fuel injection pumps and high-pressure  
supply pumps for common rail fuel  
injection systems — Mounting  
dimensions**

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*Moteurs diesels — Pompes d'injection en ligne à fixation par base plane  
et pompes d'alimentation à haute pression pour systèmes d'injection de  
carburant à rampe commune — Dimensions de montage*

ISO 7612:2006

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 7612 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 7, *Injection equipment and filters for use on road vehicles*.

This third edition cancels and replaces the second edition (ISO 7612:1994), which has been technically revised.

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# Diesel engines — Base-mounted in-line fuel injection pumps and high-pressure supply pumps for common rail fuel injection systems — Mounting dimensions

## 1 Scope

This International Standard specifies dimensional requirements for base-mounted in-line fuel injection pumps and high-pressure supply pumps for common rail fuel injection systems for diesel (compression-ignition) engines.

## 2 Dimensions and tolerances

Dimensions and tolerances are given in Figures 1 to 8 and Tables 1 to 4.

Dimensions and tolerances not given in this International Standard are left to the manufacturer's choice.

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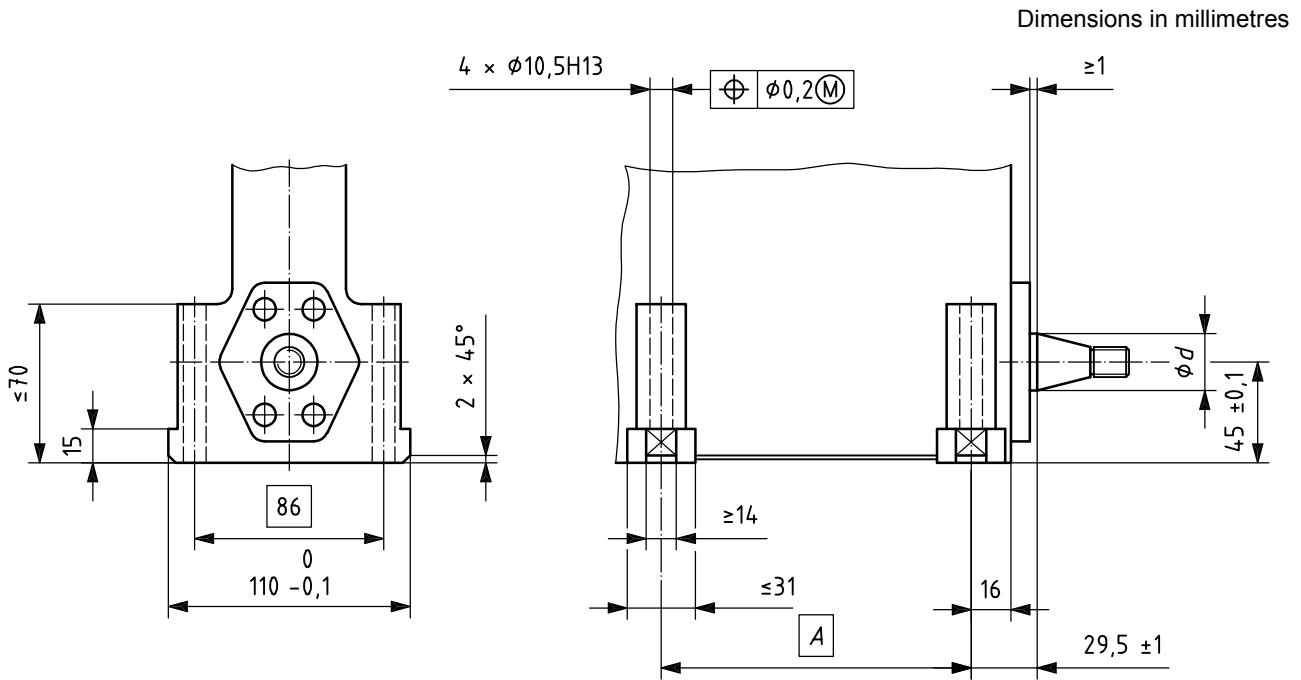


Figure 1 — Base-mounted in-line fuel injection pump — Type 1

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Table 1 — Base-mounted in-line fuel injection pump — Type 1

ISO 7612:2006

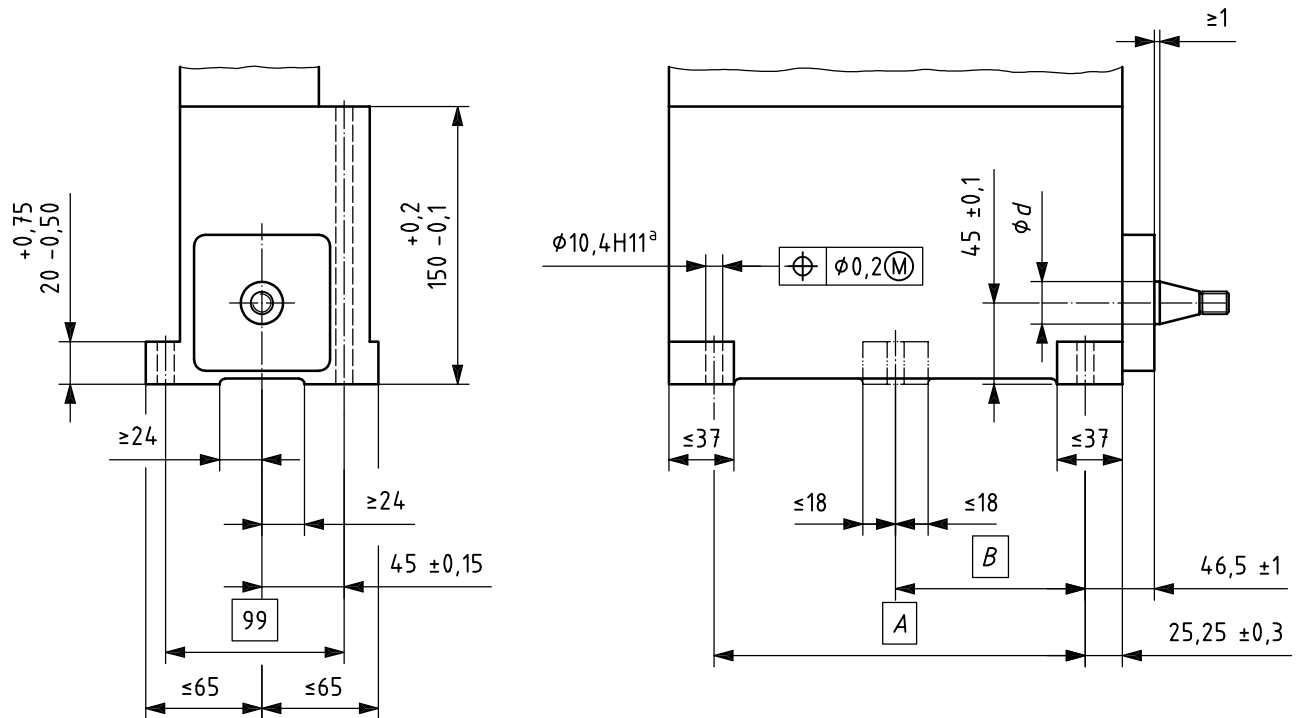
Dimensions in millimetres

<https://standards.iteh.ai/catalog/standards/sist/ca50d4b5-8d7b-426d-a29b-ecd56b183822/iso-7612-2006>

Number of cylinders	$d^a$ nom.	A ref.
4	25 or 30	140
6		210
8		280
10		353
12		423

<sup>a</sup> Corresponds to dimension  $d$  in ISO 6519.

Dimensions in millimetres



**Key**

<sup>a</sup> 4 or 6 holes

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**Figure 2 — Base-mounted in-line fuel injection pump — Type 2**

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**Table 2 — Base-mounted in-line fuel injection pump — Type 2**

Dimensions in millimetres

Number of cylinders	$d^a$ nom.	A ref.	B ref.	Number of fixing holes
4	25 or	133,5	—	4
6		206	—	4
8	30	278,5	139,25	6

<sup>a</sup> Corresponds to dimension  $d$  in ISO 6519.

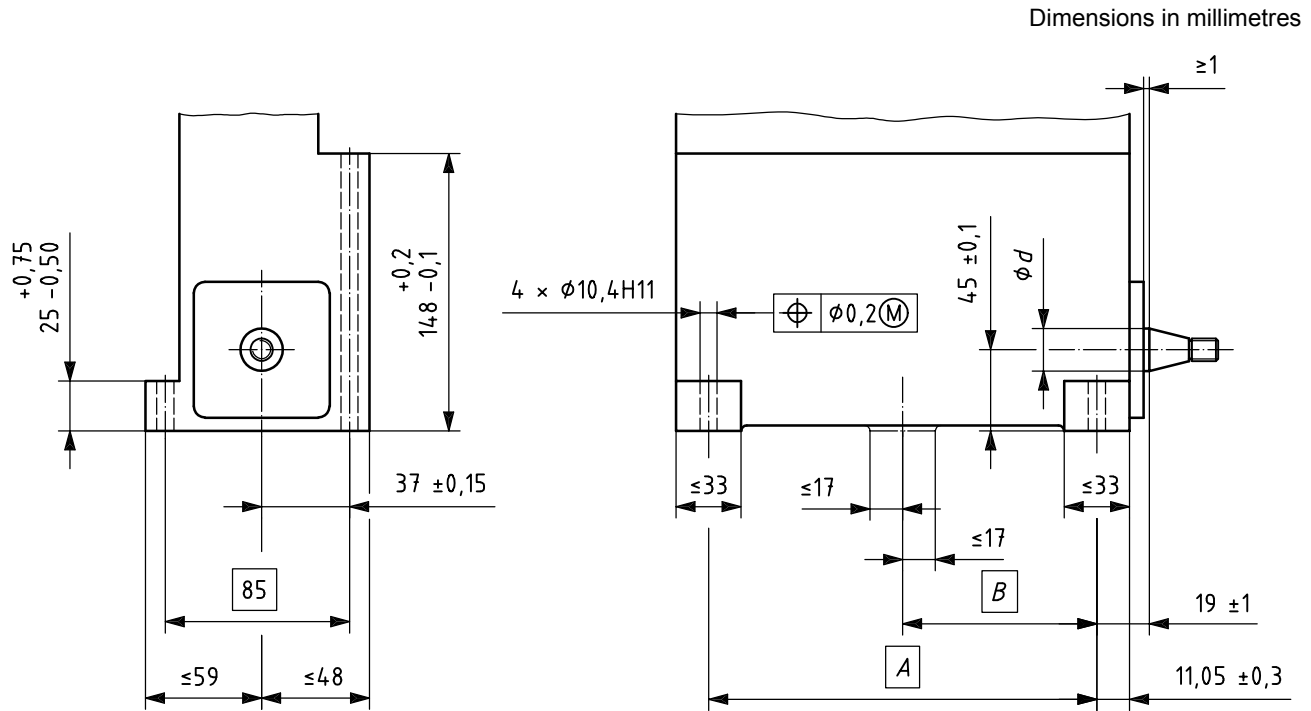


Figure 3 — Base-mounted in-line fuel injection pump — Type 3

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Table 3 — Base-mounted in-line fuel injection pump — Type 3

<https://standards.iteh.ai/catalog/standards/sist/ca50d4b5-8d7b-426d-a29b-ecd56b183822/iso-7612-2006> Dimensions in millimetres

Number of cylinders	$d^a$ nom.	A ref.	B $\pm 0,25$
4	25	154	—
6		218	—
8	30	302	151

<sup>a</sup> Corresponds to dimension  $d$  in ISO 6519.



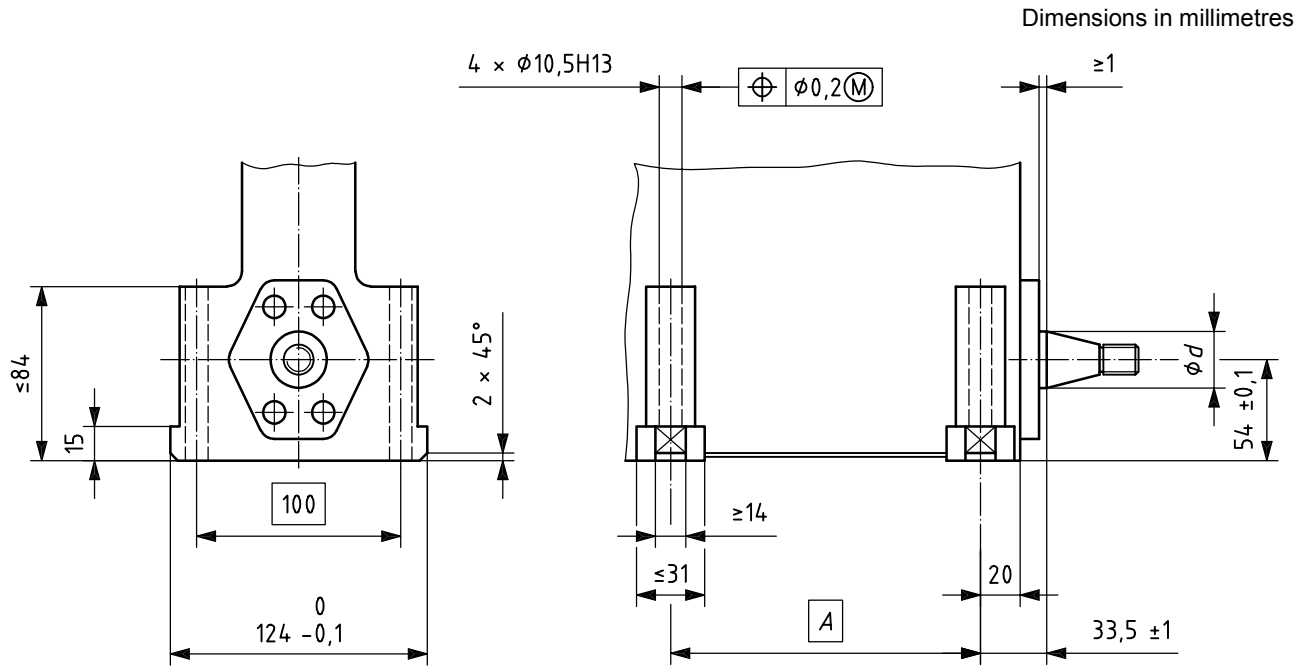


Figure 4 — Base-mounted in-line fuel injection pump — Type 4

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Table 4 — Base-mounted in-line fuel injection pump — Type 4

ISO 7612:2006      Dimensions in millimetres

Number of cylinders	Dimensions in millimetres	
	nom.	A ref.
4	30 or 35	132
6		202
8		272

<sup>a</sup> Corresponds to dimension *d* in ISO 6519.