

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

ICS 43.060.40

National foreword

This British Standard is the UK implementation of ISO 7612:2009. It supersedes BS ISO 7612:2006 which is withdrawn.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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Date	Comments

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

*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*



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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 fourth edition cancels and replaces the third edition (ISO 7612:2006), which has been technically revised.

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

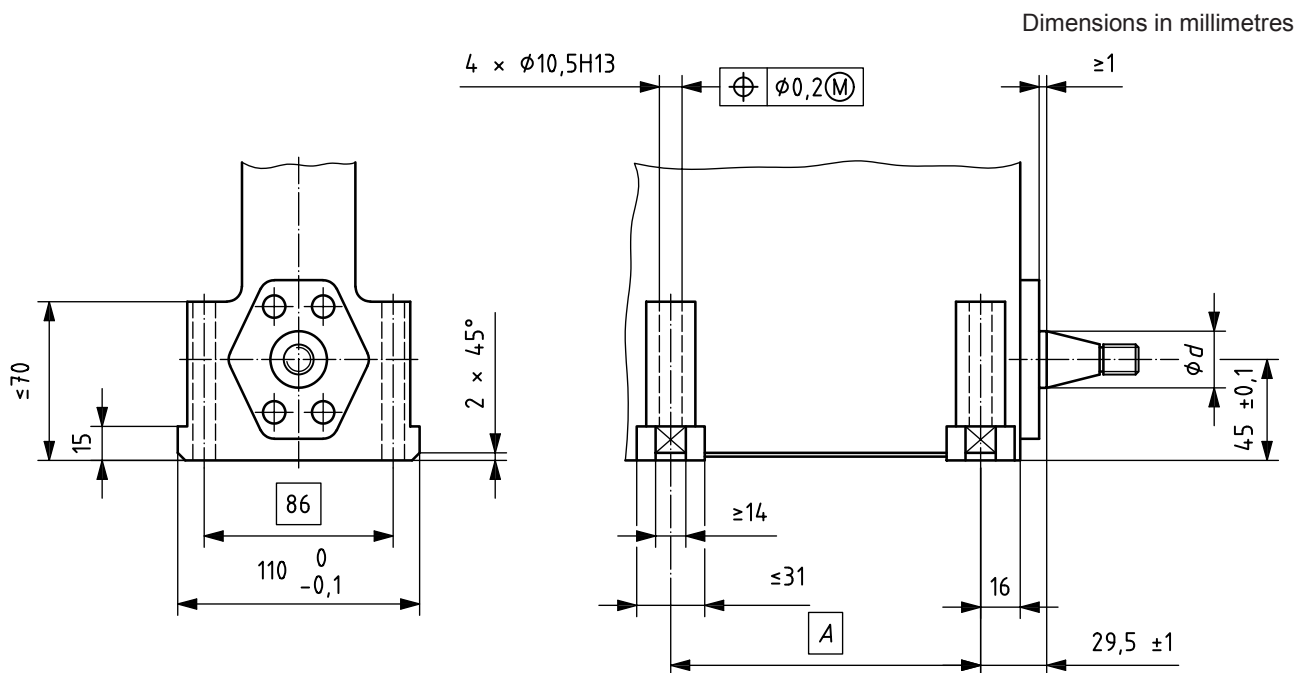
1 Scope

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.

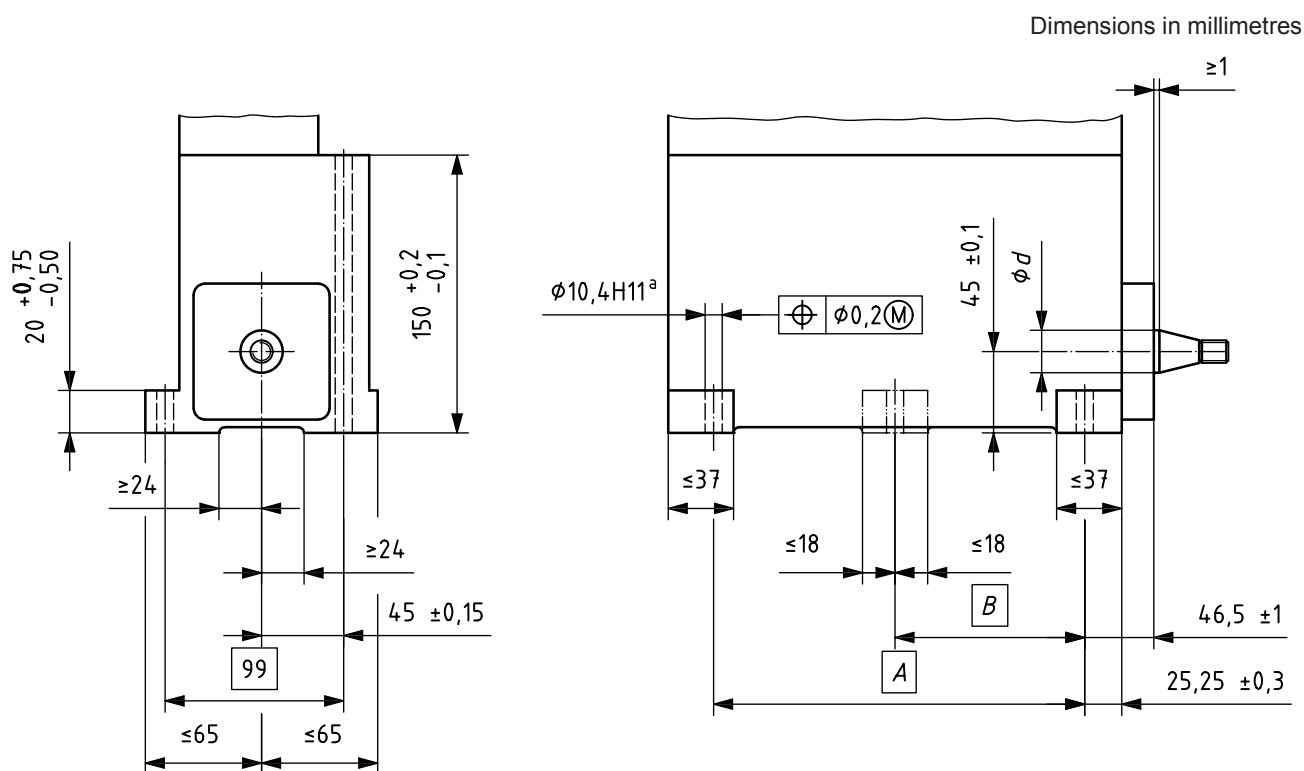


See Table 1 for other dimensions.

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

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

Number of cylinders	d^a nom. mm	A ref. mm
4	25 or 30	140
6		210
8		280
10		353
12		423
^a Corresponds to dimension d in ISO 6519.		



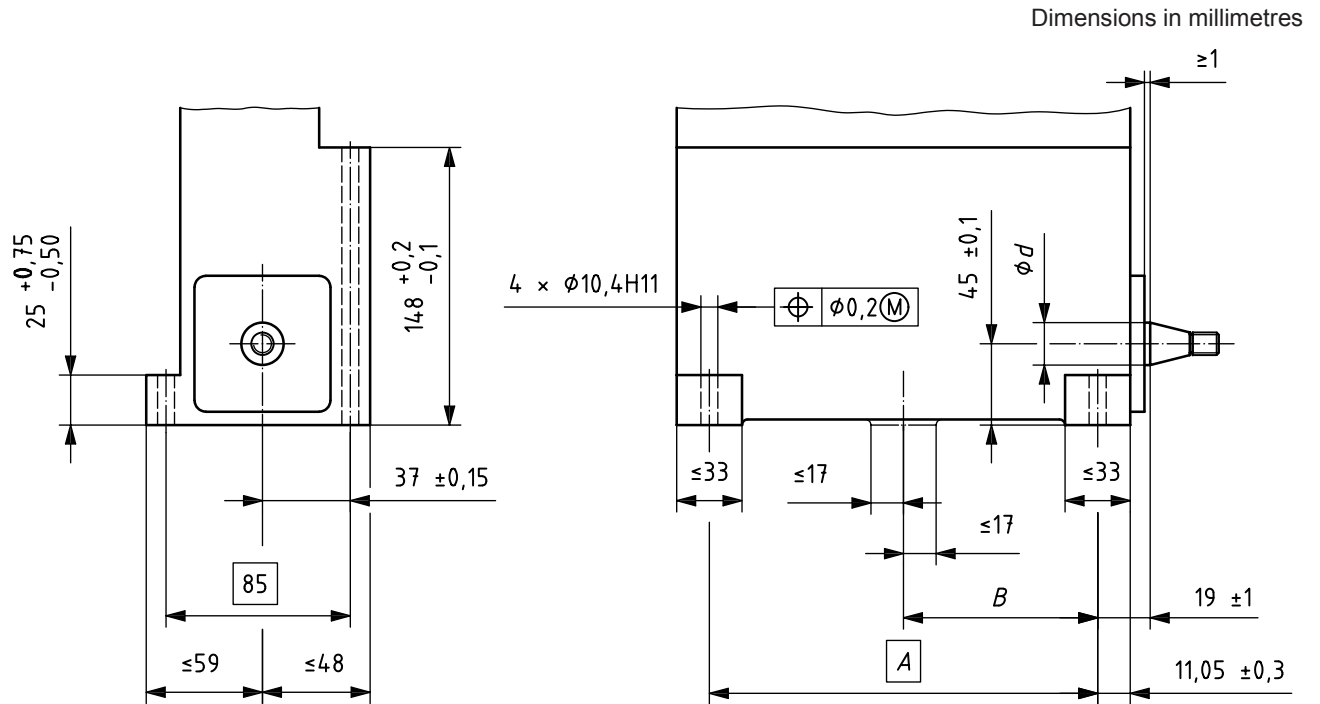
See Table 2 for other dimensions.

^a 4 or 6 holes.

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

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

Number of cylinders	d^a nom. mm	A ref. mm	B ref. mm	Number of fixing holes
4	25 or 30	133,5	—	4
6		206	—	4
8		278,5	139,25	6
^a Corresponds to dimension d in ISO 6519.				



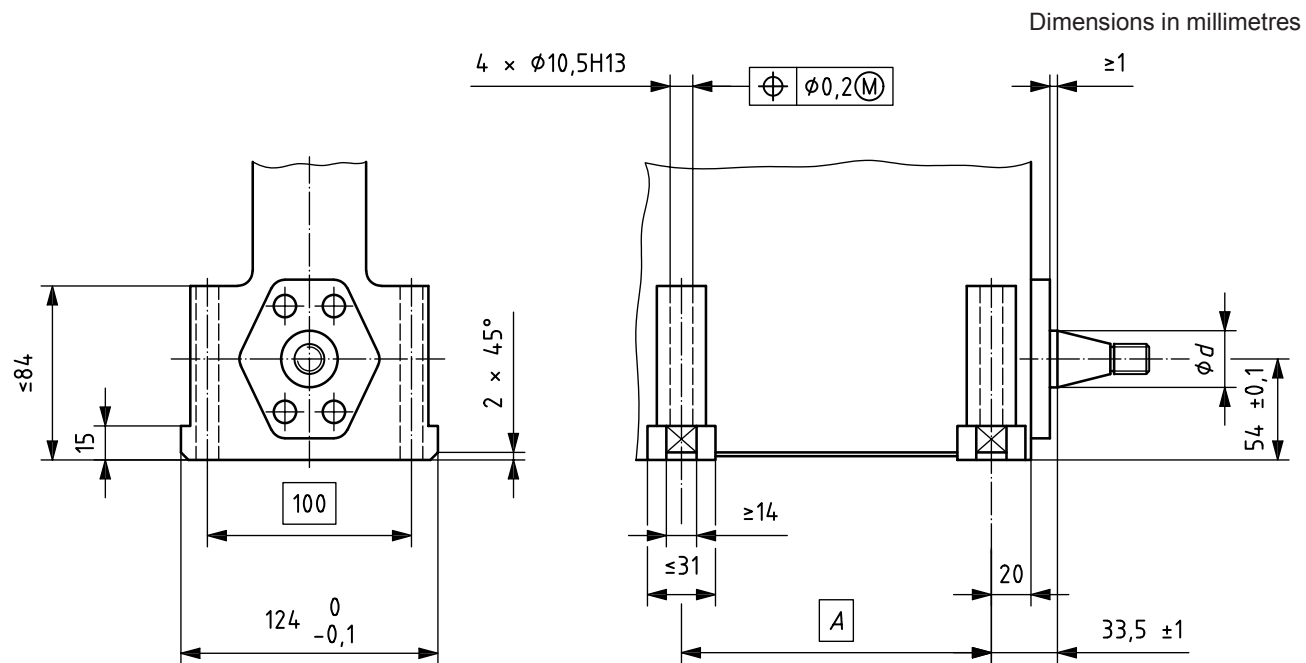
See Table 3 for other dimensions.

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

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

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

^a Corresponds to dimension d in ISO 6519.



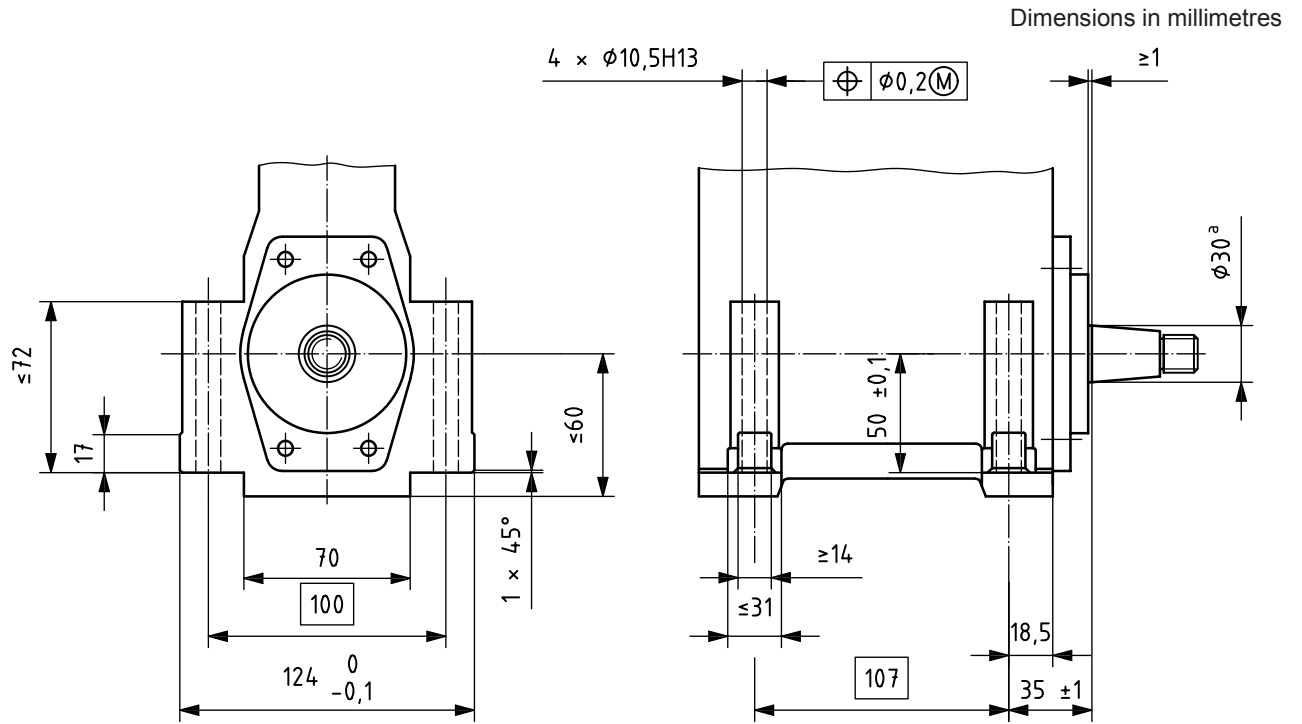
See Table 4 for other dimensions.

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

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

Number of cylinders	d^a nom. mm	A ref. mm
4	30 or 35	132
6		202
8		272

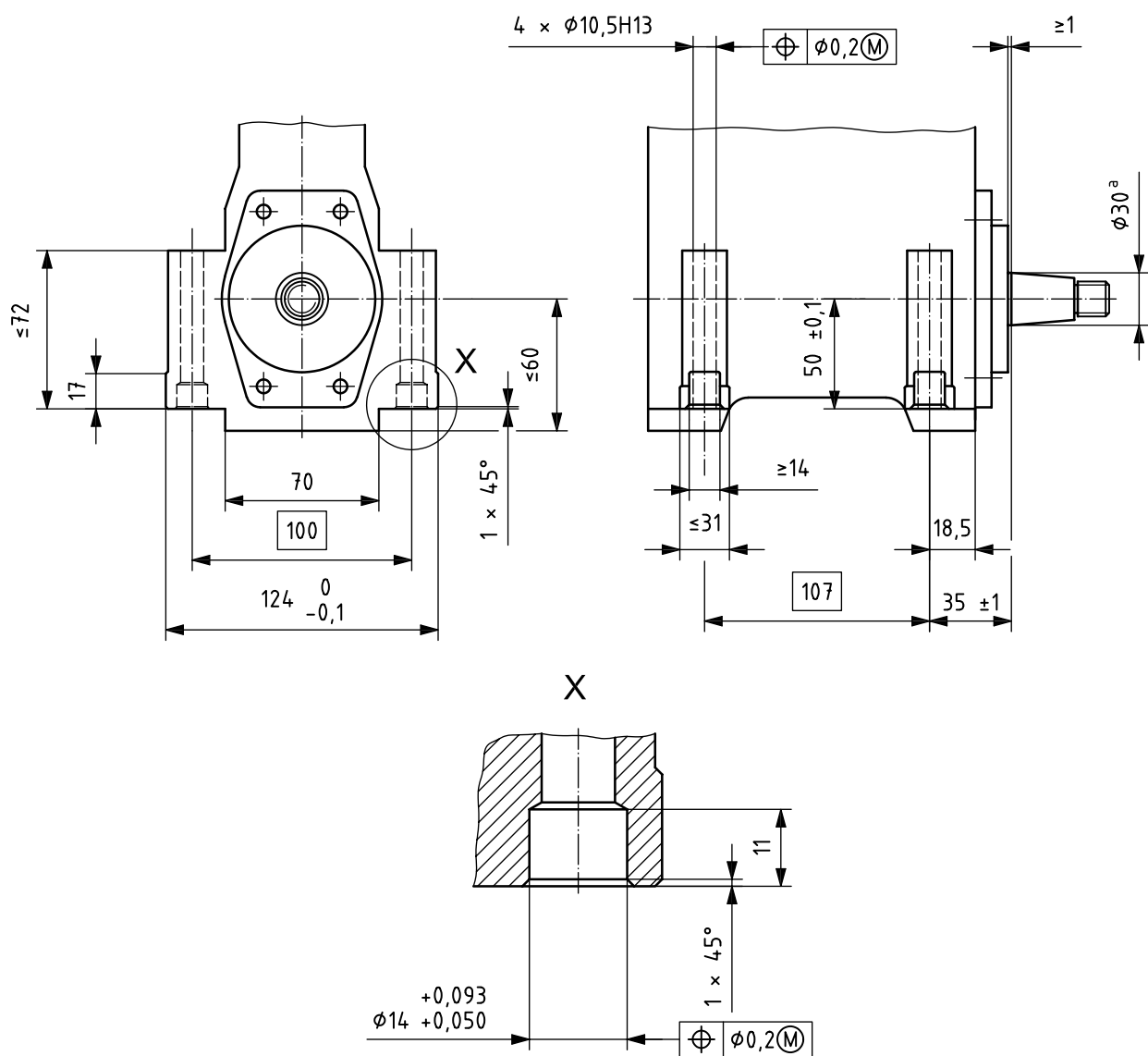
^a Corresponds to dimension d in ISO 6519.



^a Corresponds to dimension *d* in ISO 6519.

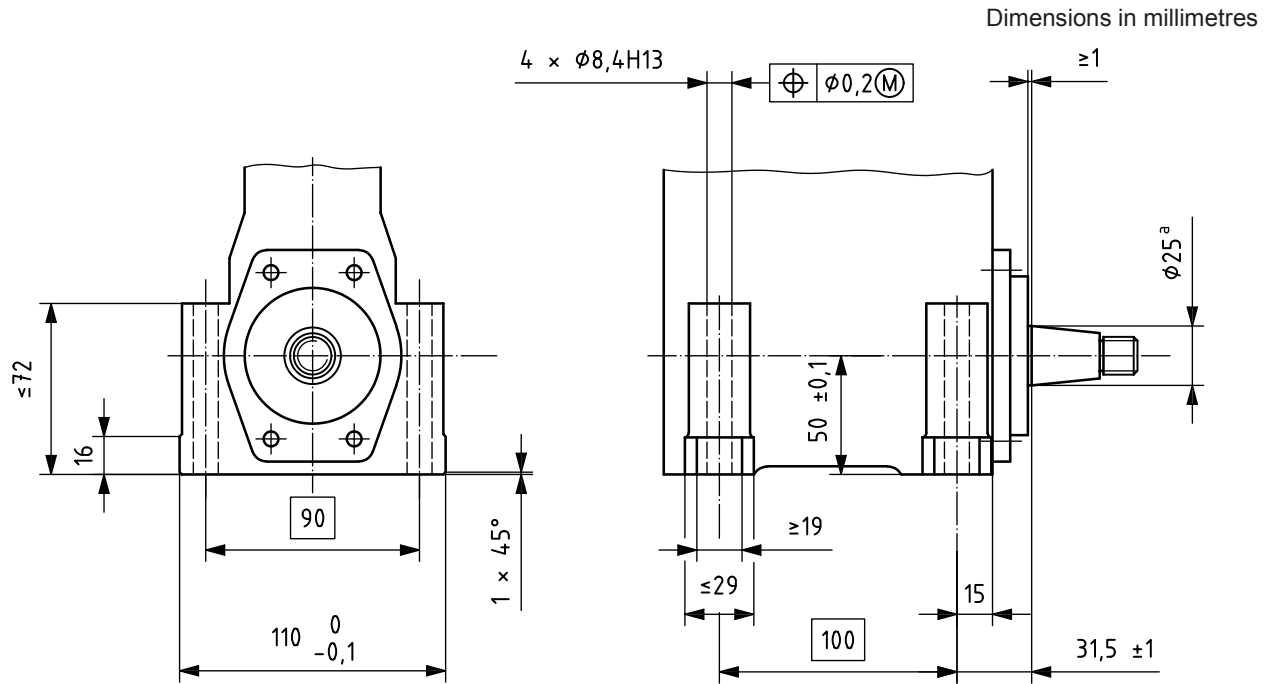
Figure 5 — Base-mounted, two cylinder, high-pressure supply pump — Type 5

Dimensions in millimetres



^a Corresponds to dimension *d* in ISO 6519.

Figure 6 — Base-mounted, two cylinder, high-pressure supply pump — Type 6



^a Corresponds to dimension d in ISO 6519.

Figure 7 — Base-mounted, two cylinder, high-pressure supply pump — Type 7

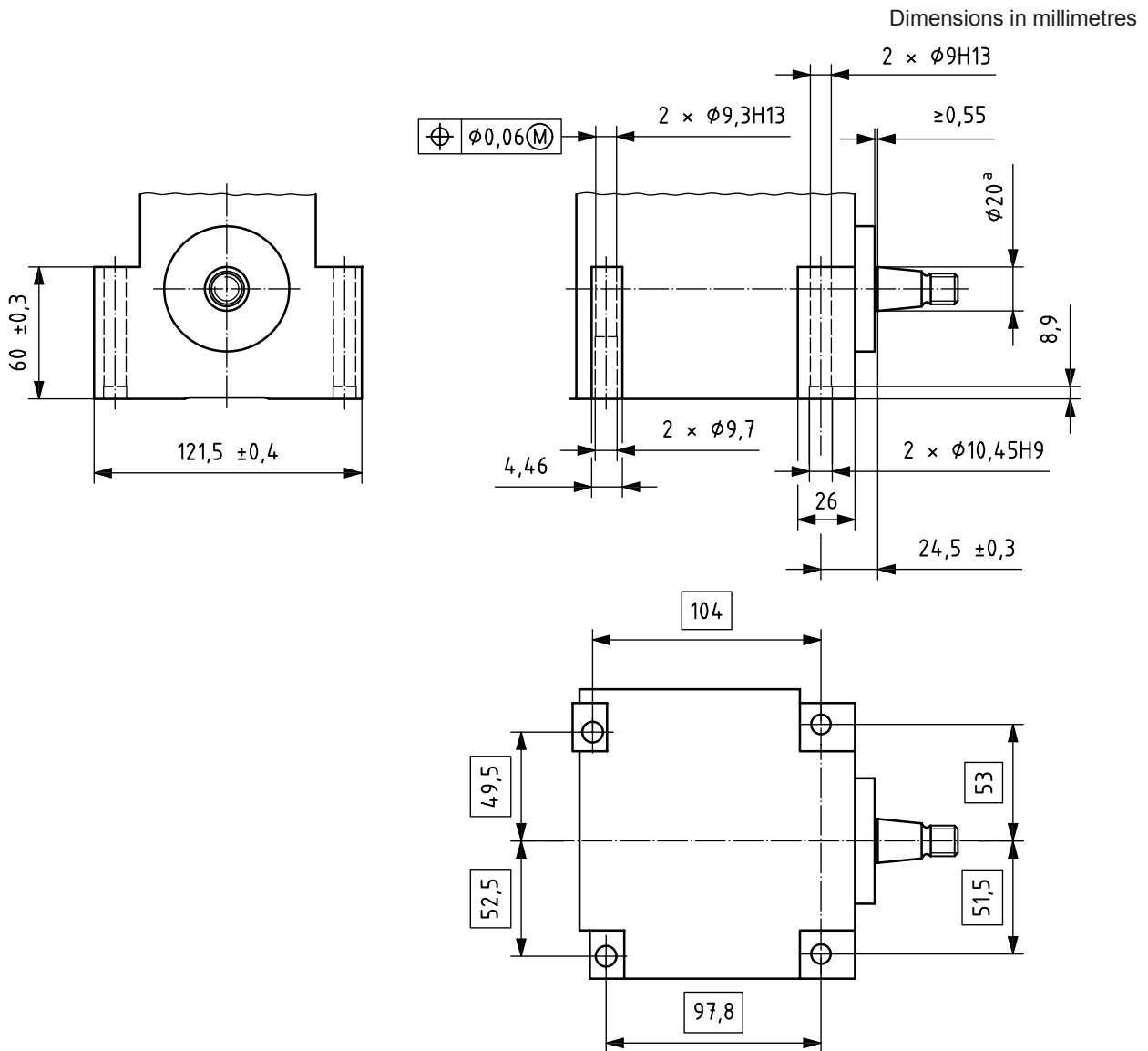


Figure 8 — Base-mounted, three cylinder, high-pressure supply pump — Type 8

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- [1] ISO 6519, *Diesel engines — Fuel injection pumps — Tapers for shaft ends and hubs*
- [2] ISO 7299-1, *Diesel engines — End-mounting flanges for pumps — Part 1: Fuel injection pumps*
- [3] ISO 7299-2, *Diesel engines — End-mounting flanges for pumps — Part 2: High-pressure supply pumps for common rail fuel injection systems*
- [4] ISO 7879, *Diesel engines — Cradle-mounted in-line fuel injection pumps — Mounting dimensions*

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