

INTERNATIONAL STANDARD

**ISO
7879**

Third edition
1997-12-01

Diesel engines — Cradle-mounted in-line fuel injection pumps — Mounting dimensions

*Moteurs diesels — Pompes d'injection en ligne à fixation par le berceau —
Dimensions de montage*

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Reference number
ISO 7879:1997(E)

Foreword

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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 7879 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Sub-committee SC 7, *Injection equipment and filters for use on road vehicles*.

This third edition cancels and replaces the second edition (ISO 7879:1990), of which it constitutes a minor revision.

Annex A of this International Standard is for information only.

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International Organization for Standardization
Case postale 56 • CH-1211 Genève 20 • Switzerland
Internet central@iso.ch
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Diesel engines — Cradle-mounted in-line fuel injection pumps — Mounting dimensions

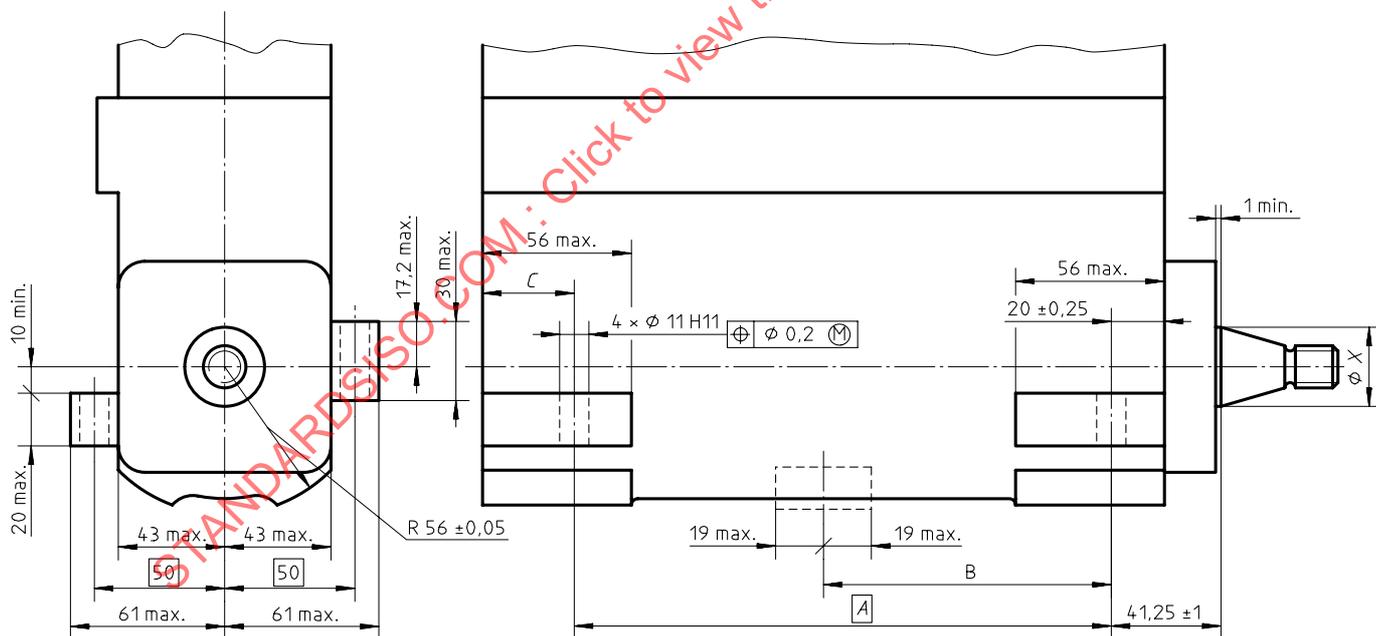
1 Scope

This International Standard specifies the dimensional requirements of cradle-mounted in-line fuel injection pumps for compression-ignition (diesel) engines.

2 Dimensions and tolerances

See figures 1, 2 and 3.

Dimensions in millimetres

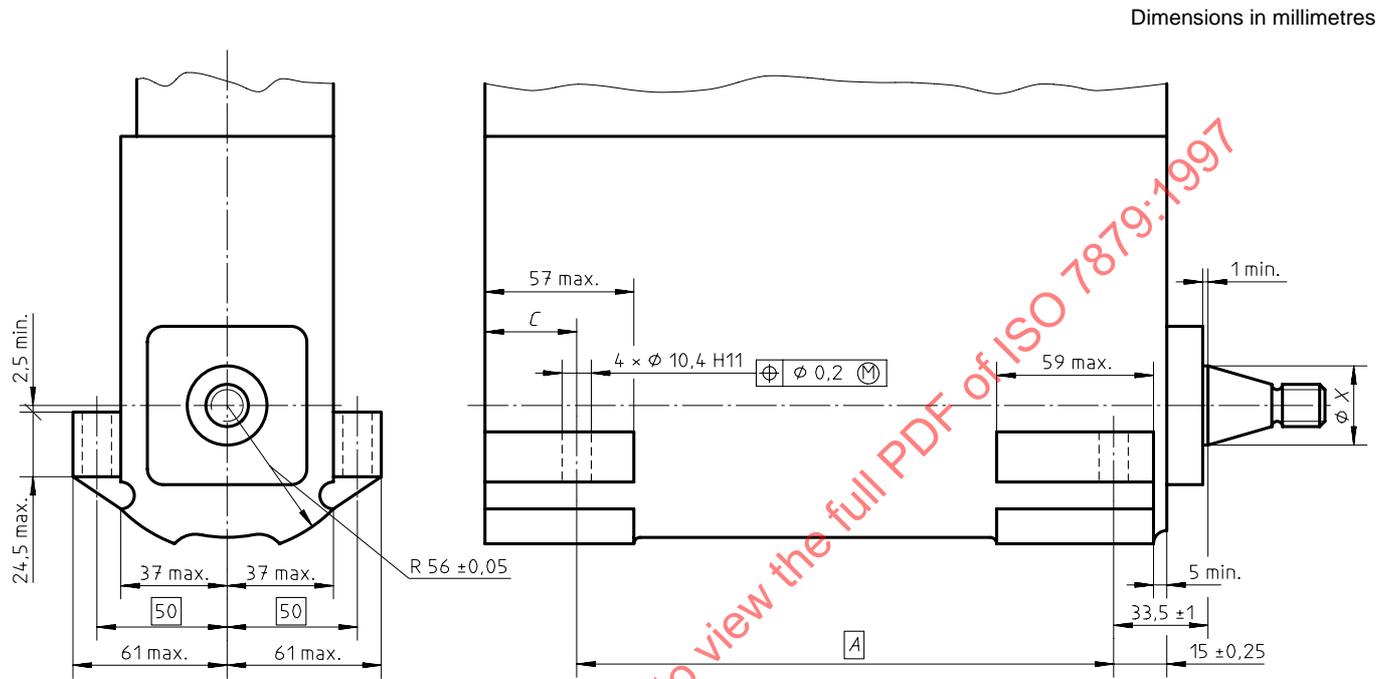


Number of cylinders	X nom.	A	B	C ± 0,25
4	25 or 30	132	—	32
6		202	—	34,5
8		272	142,5	37

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

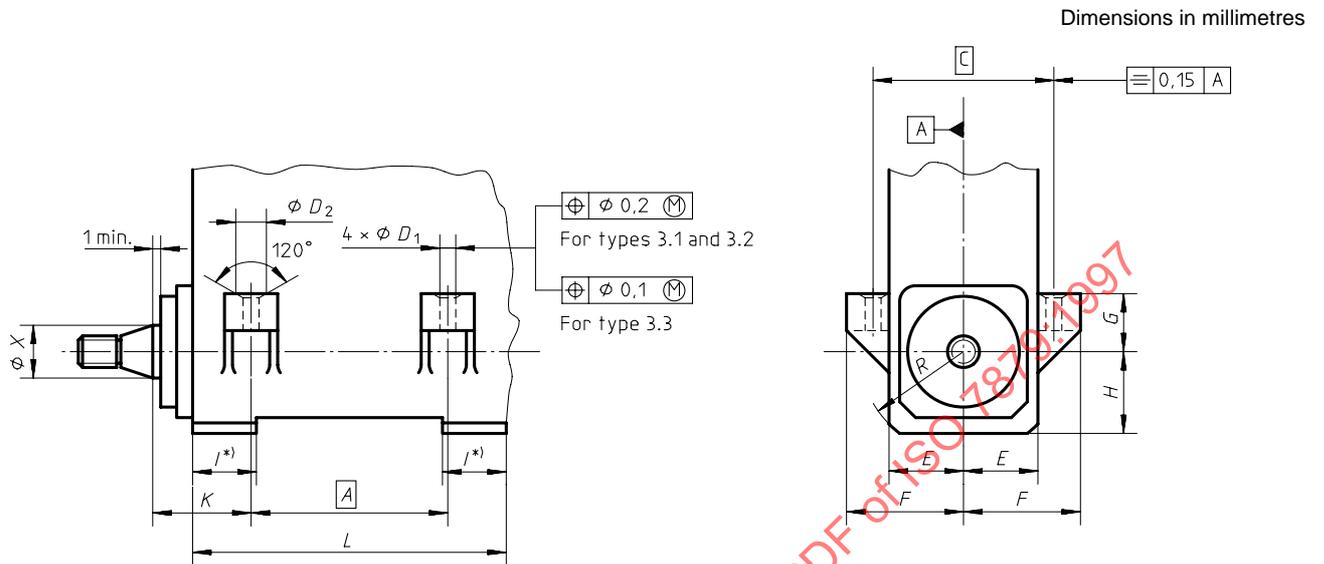
3 Other dimensions and specifications

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



Number of cylinders	X nom.	A	C ± 0,25
4	25 or 30	132	37
6		202	31
8		272	45

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



*) Maximum seating surface.

Type	Number of cylinders	A	X nom.	C	D_1 H13	D_2 +0,5 / 0	E max.	F max.	G max.	H max.	I max.	K ± 1	L max.	R ± 0,05
3.1	4	120	17 or 20	84	8,5	15,5	32,5	55	28	39	55 1)	24,5	152	45
	6	184											216	
	8	248											280	
3.2	4	108	20 or 25	84	8,5	18	35	55	7	44	36	19,5	130	50
	6	164											186	
	8	218											240	
3.3	4	132	25, 30 or 35	100	10,5	19,5	53	64	18	53	49	33,5	172	56
	6	202											242	
	8	272											312	
	10	345											385	
	12	415											455	

1) Only for type 3.1: Maximum engine seating surface may extend over the whole length L max.

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

Annex A
(informative)

Bibliography

- [1] ISO 6519:1993, *Diesel engines — Fuel injection pumps — Tapers for shaft ends and hubs.*
- [2] ISO 7299:1996, *Diesel engines — End-mounting flanges for fuel injection pumps.*
- [3] ISO 7612:1994, *Diesel engines — Base-mounted in-line fuel injection pumps — Mounting dimensions.*

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