
**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*



Foreword

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

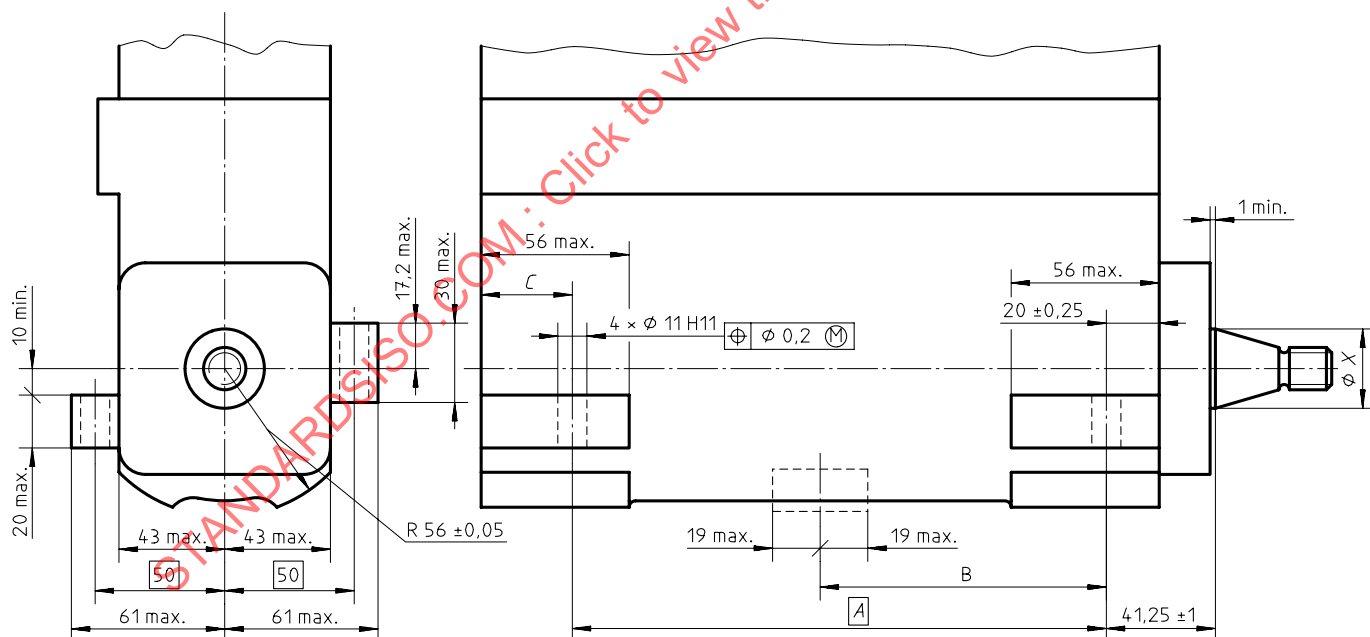
1 Scope

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

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

Technical drawing of a mechanical part, showing front and side views with dimensions and a watermark.

Front View Dimensions:

- Top edge: 24,5 max.
- Bottom edge: 24,5 max.
- Central hole: 37 max. (width), 37 max. (height)
- Bottom flange: 61 max. (width), 61 max. (height)
- Bottom flange thickness: 50 (width), 50 (height)
- Bottom flange radius: R 56 ± 0,05

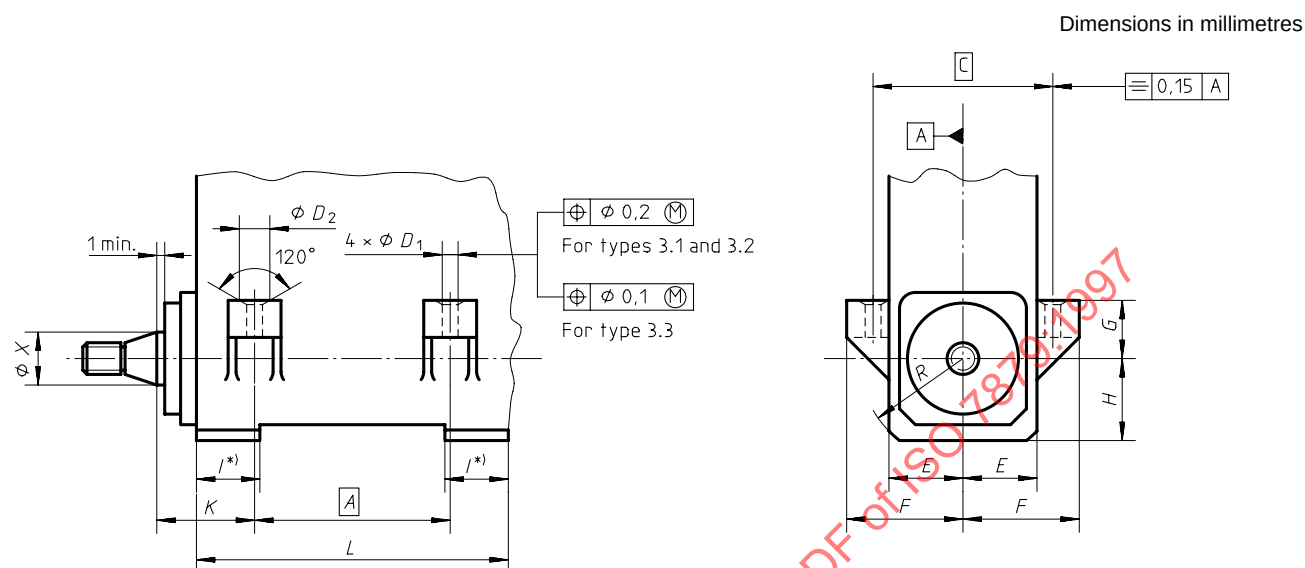
Side View Dimensions:

- Top edge: 57 max.
- Bottom edge: 59 max.
- Central hole: 4 × Ø 10,4 H11
- Central hole tolerance: Ø 0,2 (M)
- Bottom flange: 33,5 ± 1 (width), 15 ± 0,25 (height)
- Bottom flange thickness: 5 min.
- Bottom flange radius: 1 min.

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Number of cylinders	$\bar{x}$ nom.	A	C $\pm 0,25$
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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