
International Standard



7879

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Road vehicles — Cradle-mounted in-line fuel injection pumps — Mounting dimensions

Véhicules routiers — Pompes d'injection en ligne avec fixation par berceau — Dimensions de montage

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[ISO 7879:1983](#)

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Descriptors : road vehicles, pumps, injection pumps, fuels, dimensions, dimensional tolerances.

Price based on 3 pages

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been authorized 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 7879 was developed by Technical Committee ISO/TC 22, *Road vehicles*, and was circulated to the member bodies in September 1982.

It has been approved by the member bodies of the following countries :

Austria	Hungary	Romania
Belgium	Iran	Spain
Bulgaria	Italy	Sweden
China	Japan	Switzerland
Czechoslovakia	Korea, Dem. P. Rep. of	United Kingdom
Egypt, Arab Rep. of	Netherlands	USA
France	New Zealand	USSR
Germany, F.R.	Poland	

No member body expressed disapproval of the document.

Road vehicles — Cradle-mounted in-line fuel injection pumps — Mounting dimensions

1 Scope and field of application

ISO 7612, *Base-mounted in-line fuel injection pumps.*

This International Standard specifies the dimensional requirements of cradle-mounted in-line fuel injection pumps.

2 References

ISO 6519, *Tapers for shaft ends and hubs for fuel injection pumps.*

ISO 7299, *Road vehicles — End-mounting flanges for fuel injection pumps.*¹⁾

3 Dimensions and tolerances

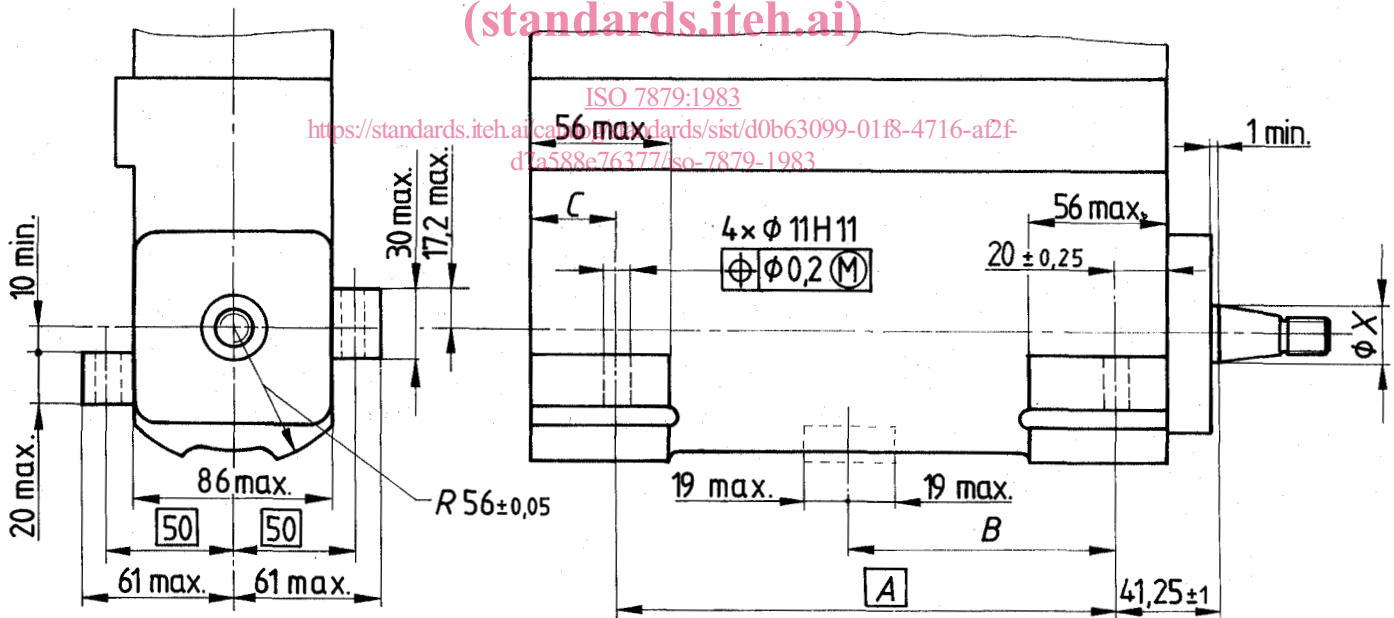
See figures 1, 2 and 3.

4 Other dimensions and specifications

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

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Dimensions in millimetres

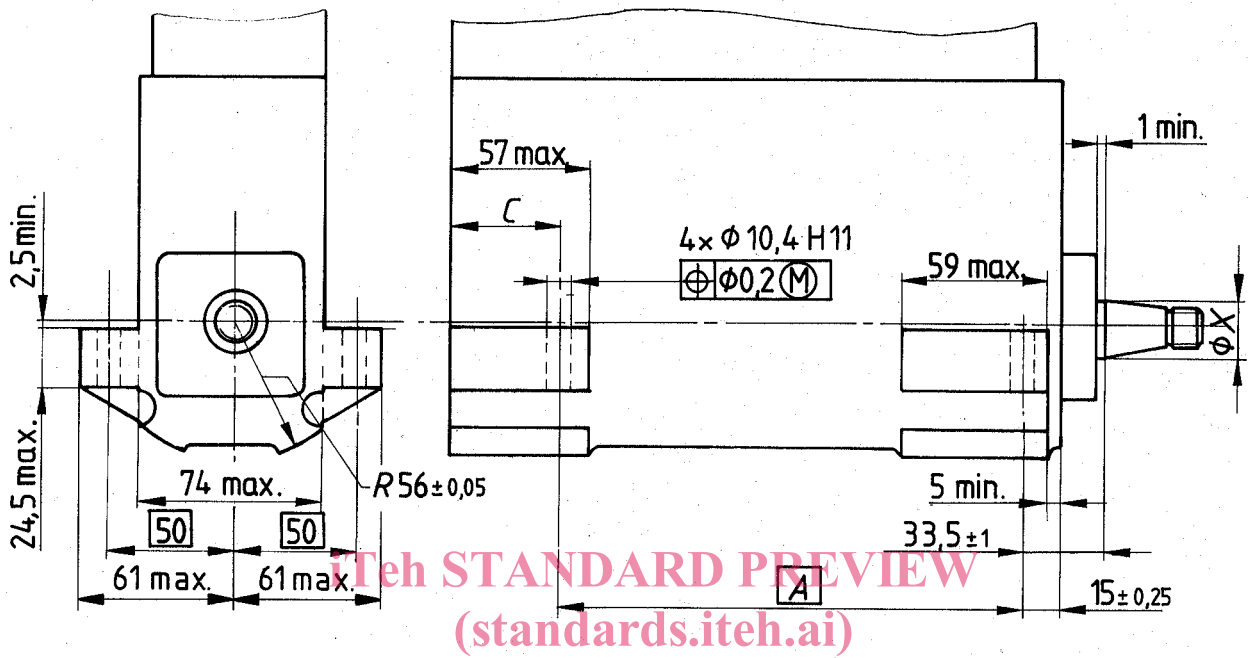


Number of cylinders	X nom.	A	B	C ± 0,25
4	25 or 30	132	—	32
6		202	—	34,5
8		272	142,5	37

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

1) At present at the stage of draft.

Dimensions in millimetres



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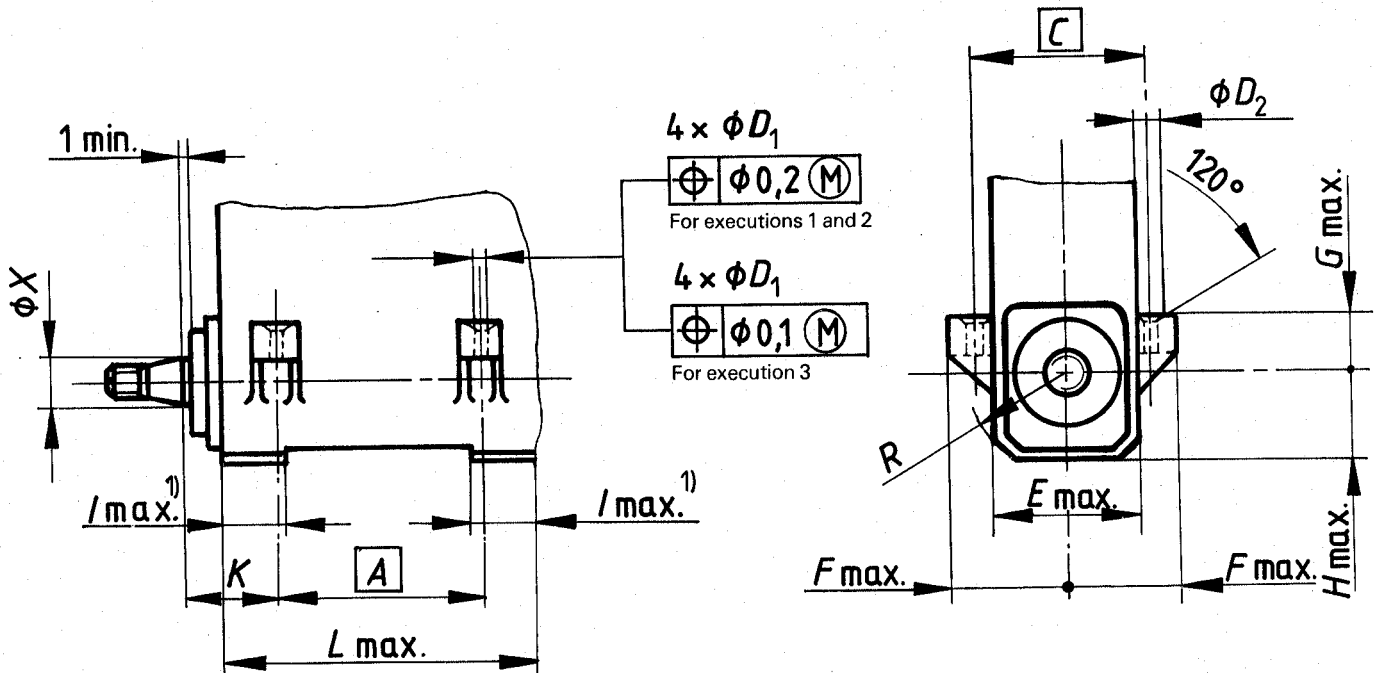
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Number of cylinders	X nom.	A	C ± 0,25
4	25	132	37
6	or	202	31
8	30	272	45

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

Dimensions in millimetres



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Execution	Number of cylinders	A	X nom.	C	D_1 H13	D_2 +0,5	E max.	F max.	G max.	H max.	I max.	K ± 1	L max.	R ± 0,05
1	4	120	17	84	8,5	15,5	65	55	28	39	55 ²⁾	24,5	152	45
	6	184	20										216	
	8	248	20										280	
2	4	108	20	84	8,5	18	70	55	7	42	36	19,5	130	50
	6	164	25										186	
	8	218	25										240	
3	4	132	25 or 30	100	10,5	19,5	105	63	18	53	49	33,5	172	56
	6	202											242	
	8	272											312	
	10	345											385	
	12	415											455	

1) Maximum seating surface.

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

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