

INTERNATIONAL STANDARD

ISO 113

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Rolling bearings — Plummer block housings — Boundary dimensions

Roulements — Paliers — Dimensions d'encombrement

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Reference number
ISO 113:1994(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 113 was prepared by Technical Committee ISO/TC 4, *Rolling bearings*.

This first edition of ISO 113 cancels and replaces ISO 113-2:1979, which has been technically revised.

Annex A of this International Standard is for information only.

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Rolling bearings — Plummer block housings — Boundary dimensions

1 Scope

This International Standard specifies boundary dimensions for plummer block housings for rolling bearings, primarily intended for bearings in diameter series 2 and 3 as specified in ISO 15.

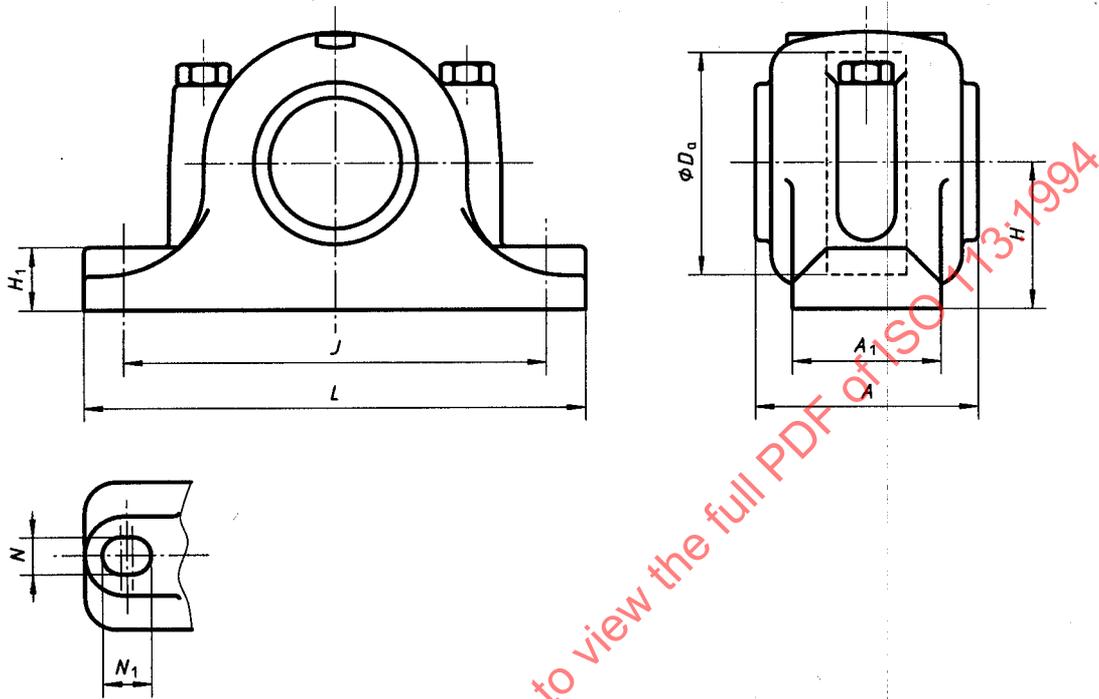
2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 15:1981, *Rolling bearings — Radial bearings — Boundary dimensions — General plan.*

3 Symbols and boundary dimensions

See figure 1 and table 1.



D_a = housing seating diameter

L = base length

A = overall width

A_1 = base width

J = bolt hole centre distance

H = distance from mounting face to centreline of housing seating diameter

H_1 = feet height

N = bolt hole width

N_1 = bolt hole length

Figure 1 — Plummer block housing

Table 1 — Boundary dimensions

Dimensions in millimetres

D_o	H	J	N	N_1	A	L	A_1	H_1
				min.	max.	max.		max.
52	40	130	15	15	72	170	46	22
62	50	150	15	15	82	190	52	22
72	50	150	15	15	85	190	52	22
80	60	170	15	15	92	210	60	25
85	60	170	15	15	92	210	60	25
90	60	170	15	15	100	210	60	25
100	70	210	18	18	105	270	70	28
110	70	210	18	18	115	270	70	30
120	80	230	18	18	120	290	80	30
125	80	230	18	18	120	290	80	30
130	80	230	18	18	125	290	80	30
140	95	260	22	22	135	330	90	32
150	95	260	22	22	140	330	90	32
160	100	290	22	22	145	360	100	35
170	112	290	22	22	150	360	100	35
180	112	320	26	26	165	400	110	40
200	125	350	26	26	177	420	120	45
215	140	350	26	26	187	420	120	45
230	150	380	28	28	192	450	130	50
250	150	420	35	35	207	510	150	50
270	160	450	35	35	224	540	160	60
290	170	470	35	35	237	560	160	60

NOTES

- 1 The symbols shown in figure 1 and the values given in table 1 denote nominal dimensions unless otherwise specified.
- 2 Where "max." is shown, this indicates that the value is both the nominal and the largest actual value permitted. Where "min." is shown, this indicates that the value is both the nominal and the smallest actual value permitted.

Annex A
(informative)

Bibliography

- [1] ISO 8062:1994, *Castings — System of dimensional tolerances and machining allowances.*

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