
INTERNATIONAL STANDARD



113 / II

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Rolling bearing accessories — Part II : Plummer block housings

*Accessoires de roulements —
Partie II : Paliers*

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Price based on 2 pages

FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (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 set up 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 113/II was developed by Technical Committee ISO/TC 4, *Rolling bearings*.

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It was submitted directly to the ISO Council, in accordance with clause 6.13.1 of the Directives for the technical work of ISO. It cancels and replaces clause 2 of ISO Recommendation R 113-1969, which had been approved by the member bodies of the following countries :

ISO 113-2:1979

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Australia	India	Switzerland
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No member body had expressed disapproval of the document.

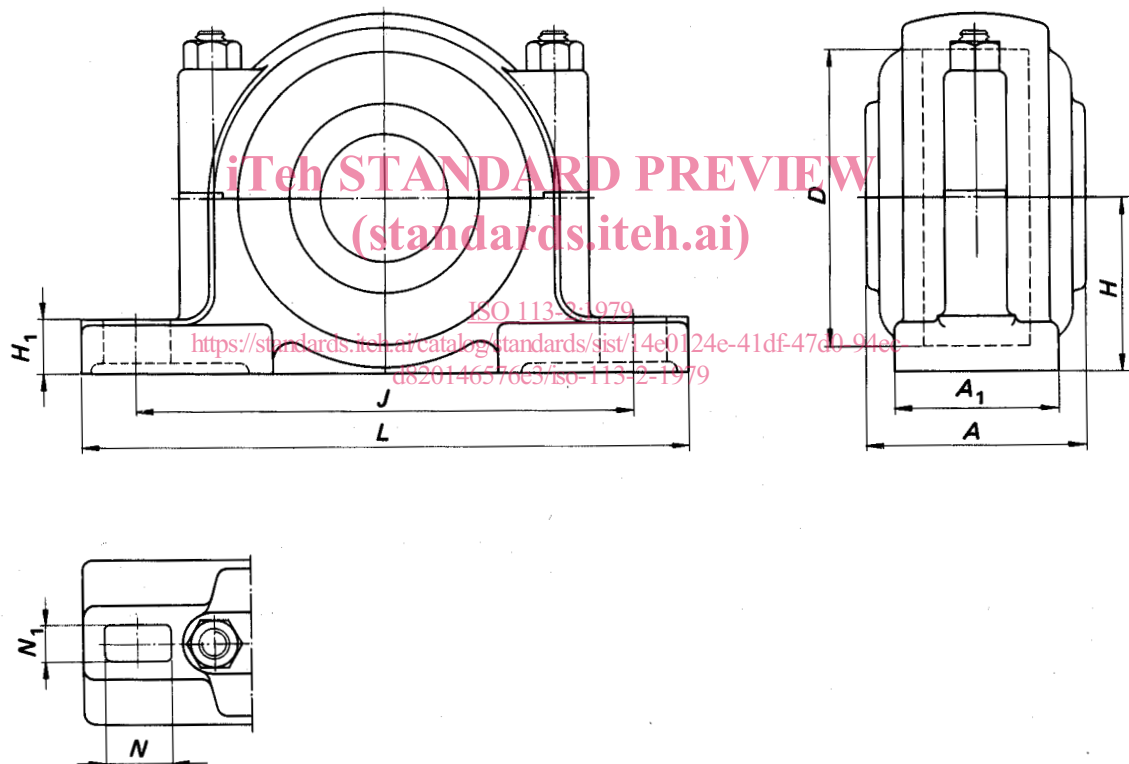
Rolling bearing accessories — Part II : Plummer block housings

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies boundary dimensions for plummer block housings for rolling bearings.

One light series, primarily intended for bearings in diameter series 2, and one medium series, primarily intended for bearings in diameter series 3, are specified.

2 SYMBOLS



D = Housing seat diameter

L = Length of sole plate

A = Overall width of plummer block

A_1 = Width of sole plate

J = Bolt distance

H = Centre height of housing seat

H_1 = Thickness of sole plate

N = Bolt hole dimension perpendicular to shaft direction

N_1 = Bolt hole dimension parallel to shaft direction

3 DIMENSIONS

TABLE 1 – Light series plummer blocks

Dimensions in millimetres

<i>D</i>	<i>H</i>	<i>J</i>	<i>N</i> ₁	<i>N</i> min.	<i>A</i> max.	<i>L</i> max.	<i>A</i> ₁	<i>H</i> ₁ max.
47	35	115	12	12	66	155	45	19
52	40	130	15	15	67	170	46	22
62	50	150	15	15	77	190	52	22
72	50	150	15	15	82	190	52	22
80	60	170	15	15	85	210	60	25
85	60	170	15	15	85	210	60	25
90	60	170	15	15	90	210	60	25
100	70	210	18	18	95	270	70	28
110	70	210	18	18	105	270	70	30
120	80	230	18	18	110	290	80	30
125	80	230	18	18	115	290	80	30
130	80	230	18	18	115	290	80	30
140	95	260	22	22	120	330	90	32
150	95	260	22	22	125	330	90	32
160	100	290	22	22	145	360	100	35
180	112	320	26	26	160	400	110	40
200	125	350	26	26	175	420	120	45
215	140	350	26	26	185	420	120	45
230	150	380	28	28	190	450	130	50
250	150	420	33	33	205	510	150	50
270	160	450	33	33	220	540	160	60
290	170	470	33	33	235	560	160	60

TABLE 2 – Medium series plummer blocks

Dimensions in millimetres

<i>D</i>	<i>H</i>	<i>J</i>	<i>N</i> ₁	<i>N</i> min.	<i>A</i> max.	<i>L</i> max.	<i>A</i> ₁	<i>H</i> ₁ max.
62	50	150	15	15	82	190	52	22
72	50	150	15	15	82	190	52	22
80	60	170	15	15	90	210	60	25
90	60	170	15	15	95	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
130	80	230	18	18	125	290	80	30
140	95	260	22	22	130	330	90	32
150	95	260	22	22	130	330	90	32
160	100	290	22	22	140	360	100	35
170	112	290	22	22	145	360	100	35
180	112	320	26	26	155	400	110	40