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ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION
R 246

ROLLING BEARINGS
CYLINDRICAL ROLLER BEARINGS
SEPARATE THRUST COLLARS
BOUNDARY DIMENSIONS

1st EDITION

March 1962

For each individual country the only valid standard is the national standard of that country.

Printed in Switzerland

Also issued in French and Russian. Copies to be obtained through the national standards organizations.

BRIEF HISTORY

The ISO Recommendation R 246, *Cylindrical Roller Bearings. Separate Thrust Collars. Boundary Dimensions*, was drawn up by Technical Committee ISO/TC 4, *Ball and Roller Bearings*, the Secretariat of which is held by the Sveriges Standardiseringskommission (SIS).

Work on this question by the Technical Committee began in 1956 and led in 1958 to the adoption of a Draft ISO Recommendation.

In March 1959, this Draft ISO Recommendation (No. 281) was circulated to all the ISO Member Bodies for enquiry. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies:

Austria	India	Spain
Brazil	Israel	Sweden
Burma	Italy	Switzerland
Canada	Japan	United Kingdom
Czechoslovakia	Netherlands	U.S.A.
France	Poland	U.S.S.R.
Germany	Portugal	
Hungary	Romania	

No Member Body opposed the approval of the Draft.

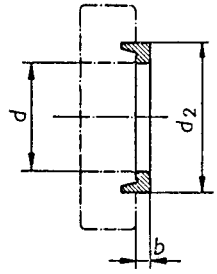
The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in March 1962, to accept it as an ISO RECOMMENDATION.

ISO Recommendation R 246 March 1962

ROLLING BEARINGS
CYLINDRICAL ROLLER BEARINGS
SEPARATE THRUST COLLARS
BOUNDARY DIMENSIONS

Symbols

d = bore diameter of separate thrust collar,
b = width of separate thrust collar,
d_2 = outside diameter of separate thrust collar.



Dimensions in millimetres

Bore diameter d	Diameter series 2		Diameter series 3		Diameter series 4	
	Width b	Outside diameter d_2 Max.	Width b	Outside diameter d_2 Max.	Width b	Outside diameter d_2 Max.
17	3	26	3	31	4	38
20	3	30	4	35	5	44
22	3	33	4	36	—	—
25	3	35	4	41	6	51
28	3	40	4	44	—	—
30	4	43	5	49	7	56
32	4	45	5	50	—	—
35	4	49	6	55	8	62
40	5	55	7	61	8	71
45	5	60	7	69	8	78
50	5	65	8	74	9	86
55	6	72	9	82	10	92
60	6	79	9	91	10	100
65	6	87	10	96	11	106
70	7	91	10	107	12	115
75	7	96	11	110	13	122
80	8	105	11	121	13	129
85	8	110	12	127	14	136
90	9	116	12	133	14	144
95	9	123	13	141	15	158
100	10	130	13	147	16	167
105	10	136	13	154	16	170
110	11	144	14	163	17	176
120	11	155	14	175	17	190
130	11	170	14	185	18	208
140	11	182	15	204	18	226
150	12	195	15	214	20	236
160	12	208	15	227	20	249
170	12	225	16	246	20	269
180	12	236	17	256	23	281
190	13	246	18	268	23	294
200	14	260	18	283	24	305
220	15	287	20	311	26	340
240	16	316	22	337	28	370
260	18	343	24	365	—	—