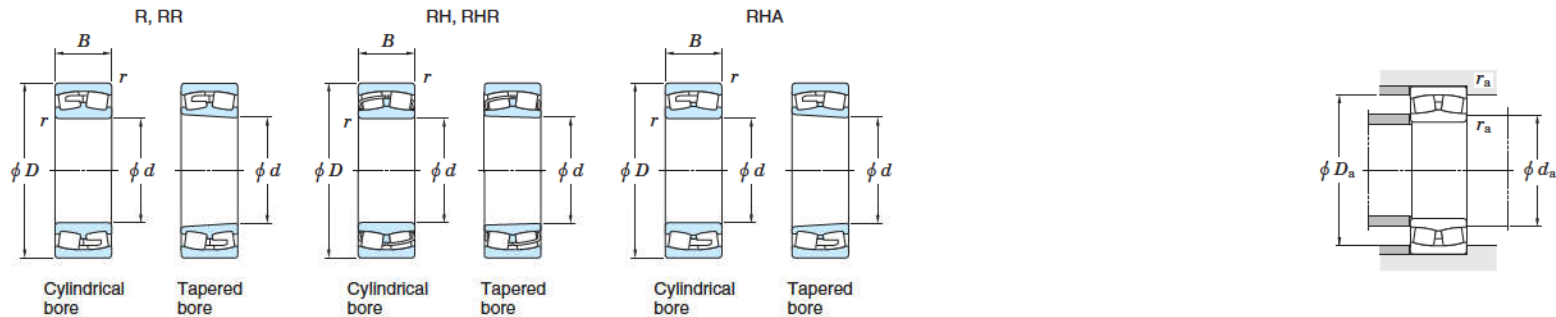


Spherical roller bearings

d 25 ~ 70 mm



Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (min ⁻¹)		Bearing No.		Mounting dimensions (mm)			Constant e	Axial load factors			(Refer.) Mass (kg)																	
d	D	B	r min.	C _r	C _{0r}	Grease lub.	Oil lub.	Cylindrical bore	Tapered bore	d _a min.	D _a max.	r _a max.		Y ₁	Y ₂	Y ₀	Cylindrical bore	Tapered bore																
25	52	18	1	45.4	48.1	7 000	9 300	22205RHR	22205RHRK	31	46	1	0.35	1.91	2.85	1.87	0.188	0.184																
30	62	20	1	61.2	65.9	5 900	7 900	22206RHR	22206RHRK	36	56	1	0.33	2.04	3.04	2.00	0.296	0.290																
		72	19																1.1	59.3	62.7	5 200	7 000	21306RH	21306RHK	37	65	1	0.27	2.49	3.71	2.43	0.430	0.424
35	72	23	1.1	80.3	88.7	5 000	6 700	22207RHR	22207RHRK	42	65	1	0.32	2.09	3.11	2.04	0.459	0.449																
		80	21																1.5	69.6	75.3	4 500	6 000	21307RH	21307RHK	43.5	71.5	1.5	0.27	2.49	3.71	2.43	0.572	0.564
40	80	23	1.1	90.9	102	4 500	6 000	22208RHR	22208RHRK	47	73	1	0.28	2.37	3.53	2.32	0.602	0.591																
		90	23																1.5	85.7	95.5	4 100	5 500	21308RH	21308RHK	48.5	81.5	1.5	0.26	2.55	3.80	2.50	0.781	0.770
		90	33																1.5	136	152	4 100	5 500	22308RHR	22308RHRK	48.5	81.5	1.5	0.37	1.83	2.72	1.79	1.08	1.06
45	85	23	1.1	95.6	110	4 200	5 600	22209RHR	22209RHRK	52	78	1	0.26	2.55	3.80	2.50	0.602	0.590																
		100	25																1.5	108	124	3 600	4 900	21309RH	21309RHK	53.5	91.5	1.5	0.26	2.62	3.90	2.56	1.05	1.04
		100	36																1.5	166	183	3 700	4 900	22309RHR	22309RHRK	53.5	91.5	1.5	0.37	1.83	2.72	1.79	1.42	1.39
50	90	23	1.1	103	122	3 900	5 200	22210RHR	22210RHRK	57	83	1	0.24	2.79	4.15	2.73	0.648	0.634																
		110	27																2	128	151	3 300	4 400	21310RH	21310RHK	60	100	2	0.25	2.71	4.04	2.65	1.37	1.35
		110	40																2	204	237	3 300	4 500	22310RHR	22310RHRK	60	100	2	0.36	1.85	2.76	1.81	1.92	1.88
55	100	25	1.5	124	144	3 400	4 600	22211RHR	22211RHRK	63.5	91.5	1.5	0.24	2.84	4.23	2.78	0.867	0.849																
		120	29																2	144	165	3 000	4 100	21311RH	21311RHK	65	110	2	0.25	2.71	4.03	2.65	1.69	1.67
		120	43																2	236	264	3 000	4 000	22311RHR	22311RHRK	65	110	2	0.36	1.85	2.76	1.81	2.40	2.35
60	110	28	1.5	153	181	3 100	4 200	22212RHR	22212RHRK	68.5	101.5	1.5	0.25	2.74	4.08	2.68	1.19	1.17																
		130	31																2.1	168	193	2 800	3 700	21312RH	21312RHK	72	118	2	0.24	2.78	4.14	2.72	2.11	2.08
		130	46																2.1	283	334	2 800	3 700	22312RHR	22312RHRK	72	118	2	0.36	1.86	2.77	1.82	3.06	2.99
65	120	31	1.5	178	211	2 900	3 800	22213RHR	22213RHRK	73.5	111.5	1.5	0.25	2.69	4.00	2.63	1.55	1.52																
		140	33																2.1	194	232	2 600	3 400	21313RH	21313RHK	77	128	2	0.24	2.83	4.21	2.76	2.62	2.58
		140	48																2.1	305	360	2 600	3 400	22313RHR	22313RHRK	77	128	2	0.34	1.98	2.94	1.93	3.66	3.58
70	125	31	1.5	187	222	2 700	3 600	22214RHR	22214RHRK	78.5	116.5	1.5	0.24	2.87	4.27	2.80	1.64	1.61																
		150	35																2.1	215	260	2 400	3 200	21314RH	21314RHK	82	138	2	0.24	2.84	4.23	2.78	3.19	3.15
		150	51																2.1	348	413	2 400	3 200	22314RHR	22314RHRK	82	138	2	0.34	1.98	2.94	1.93	4.45	4.36

[Remark] Standard cage types used for the above bearings are shown in Table 5 earlier in this section.