

Self-aligning ball bearings with adapter sleeve

Dimensions								Designation		Weight	Basic radial load. Factors						Speed limit	
d ₁	d	D	B	r _s min.	d ₂	B ₁	B ₂	bearing	adapter sleeve		dyn. C _r	e	Y ₁	Y ₂	stat. C _{0r}	Y ₀	grease	oil
mm	mm	mm	mm	mm	mm	mm	mm	-	-	Kg	KN	-			KN		min ⁻¹	min ⁻¹
17	20	47	14	1	32	24	7	1204K	H204	0.167	9.9	0.28	2.2	3.5	2.65	2.4	15000	18000
	20	47	18	1	32	28	7	2204K	H304	0.201	12.6	0.28	2.2	3.5	3.3	2.4	14000	17000
	20	52	15	1.1	32	28	7	1304K	H304	0.221	12.4	0.3	2.1	3.3	3.35	2.2	12000	15000
	20	52	21	1.1	32	31	7	2304K	H2304	0.281	18.2	0.52	1.2	1.9	4.7	1.3	11000	14000
20	25	52	15	1	38	26	8	1205K	H205	0.219	12.2	0.29	2.2	3.4	3.3	2.3	13000	16000
	25	52	18	1	38	29	8	2205K	H305	0.233	12.5	0.43	1.5	2.3	3.45	1.6	11000	14000
	25	52	18	1	38	29	8	2205K2RS	H305	0.236	12.2	0.29	2.2	3.4	3.3	2.3	7000	
	25	62	17	1.1	38	29	8	1305K	H305	0.227	17.8	0.28	2.2	3.5	4.9	2.4	9500	12000
	25	62	24	1.1	38	35	8	2305K	H2305	0.414	24.5	0.44	1.4	2.2	6.55	1.5	9500	12000
25	30	62	16	1	45	27	8	1206K	H206	0.33	15.7	0.25	2.5	3.9	4.7	2.7	10000	13000
	30	62	20	1	45	31	8	2206K	H306	0.363	15.3	0.4	1.6	2.5	4.6	1.7	9500	12000
	30	62	20	1	45	31	8	2260K2RS	H306	0.363	15.7	0.25	2.5	3.9	4.7	2.7	5300	
	30	72	19	1.1	45	31	8	1306K	H306	0.49	21.4	0.24	2.6	4.1	6.35	2.8	9000	11000
	30	72	27	1.1	45	38	8	2306K	H2306	0.615	31.4	0.4	1.6	2.5	8.7	1.7	8500	10000
30	35	72	17	1.1	52	29	9	1207K	H207	0.422	15.8	0.23	2.8	4.2	5.15	2.9	9000	11000
	35	72	23	1.1	52	35	9	2207K	H307	0.538	21.7	0.37	1.7	2.6	6.7	1.8	8500	10000
	35	72	23	1.1	52	35	9	2207K2RS	H308	0.538	15.8	0.23	2.8	4.2	5.15	2.9	5600	
	35	80	21	1.5	52	35	9	1307K	H309	0.644	25.1	0.25	2.5	3.9	7.95	2.7	7500	9000
	35	80	31	1.5	52	43	9	2307K	H2307	0.822	39.7	0.43	1.5	2.3	12.9	1.6	7000	8500
35	40	80	18	1.1	58	31	10	1208K	H208	0.585	19.2	0.22	2.9	4.5	6.5	3	8500	10000
	40	80	23	1.1	58	36	10	2208K	H308	0.683	22.4	0.33	1.9	3	7.4	2	7500	9000
	40	80	23	1.1	58	36	10	2208K2RS	H308	0.683	19.2	0.22	2.9	4.5	6.5	3	4800	
	40	90	23	1.5	58	36	10	1308K	H308	0.893	29.5	0.24	2.6	4.1	9.75	2.8	6700	8000
	40	90	33	1.5	58	46	10	2308K	H2308	1.13	44.9	0.39	1.6	2.5	15.1	1.7	6300	7500
40	45	85	19	1.1	65	33	11	1209K	H209	0.686	21.8	0.21	3	4.7	7.4	3.2	7500	9000
	45	85	23	1.1	65	39	11	2209K	H309	0.781	23.3	0.31	2	3.1	8.15	2.1	7000	8500
	45	85	23	1.1	65	39	11	2209K2RS	H309	0.781	21.8	0.21	3	4.7	7.4	3.2	4500	
	45	100	25	1.5	65	39	11	1309K	H309	1.19	37.7	0.24	2.6	4.1	12.9	2.8	6300	7500
	45	100	36	1.5	65	50	11	2309K	H2309	1.48	54.1	0.31	2	3.1	16.5	2.1	5600	6700
45	50	90	20	1.1	70	35	12	1210K	H210	0.789	22.9	0.21	3	4.7	8.16	3.2	7000	8500
	50	90	23	1.1	70	42	12	2210K	H310	0.88	23.3	0.29	2.2	3.4	8.5	2.3	6300	7500
	50	90	23	1.1	70	42	12	2210K2RS	H310	0.88	22.9	0.21	3	4.6	8.1	3.2	4000	
	50	110	27	2	70	42	12	1310K	H310	1.49	43.4	0.24	2.6	4.1	14.2	2.8	5600	6700
	50	110	40	2	70	55	12	2310K	H2310	1.96	64.4	0.42	1.5	2.3	20	1.6	5300	6300
50	55	100	21	1.1	75	37	12	1211K	H211	1	26.6	0.2	3.2	4.1	10.1	3.3	6300	7500
	55	100	25	1.1	75	45	12	2211K	H311	1.2	26.5	0.27	2.3	3.6	9.9	2.5	6000	7000
	55	120	29	2	75	45	12	1311K	H311	1.91	51.3	0.23	2.8	4.2	18.1	2.9	5000	6000
	55	120	43	2	75	59	12	2311K	H2311	2.47	75.3	0.41	1.5	2.4	23.8	1.6	4800	5600
55	60	110	22	1.5	80	38	13	1212K	H212	1.03	30.2	0.19	3.4	5.2	11.6	3.5	5600	6700
	60	110	28	1.5	80	47	13	2212K	H312	1.55	33.8	0.28	2.2	3.5	12.6	2.4	5300	6300
	60	130	31	2.1	80	47	13	1312K	H312	2.32	57.1	0.23	2.8	4.2	20.8	2.9	4500	5300
	60	130	46	2.1	80	62	13	2312K	H2312	3.01	87.1	0.41	1.5	2.4	28	1.6	4300	5000
60	65	120	23	1.5	85	40	14	1213K	H213	1.53	31	0.17	3.7	5.7	12.4	3.9	5300	6300
	65	120	31	1.5	85	50	14	2213K	H313	2	43.6	0.28	2.2	3.5	16.4	2.4	5000	6000
	65	140	33	2.1	85	50	14	1313K	H313	2.87	62	0.23	2.8	4.2	22.9	2.8	4300	5000
	65	140	48	2.1	85	65	14	2313K	H2313	3.71	95.6	0.38	1.7	2.6	32.5	1.7	4000	4800

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d ₁	d	D	B	r _s min.	d ₂	B ₁	B ₂	bearing	adapter sleeve		dyn. C _r	e	Y ₁	Y ₂	stat. C _{0r}	Y ₀	grease	oil
mm	mm	mm	mm	mm	mm	mm	mm	-	-	Kg	KN	-	-	KN	-	min ⁻¹	min ⁻¹	
65	75	130	25	1.5	98	43	15	1215K	H215	2.05	38.9	0.18	3.5	5.4	15.6	3.7	4800	5600
	75	130	31	1.5	98	55	15	2215K	H315	2.52	44	0.25	2.5	3.9	17.8	2.7	4500	5300
	75	160	37	2.1	98	55	15	1315K	H315	4.34	79.2	0.22	2.9	4.5	30	3	3600	4300
65	75	160	55	2.1	98	73	15	2315K	H2315	5.66	123	0.38	1.7	2.6	42.8	1.7	4300	4000
70	80	140	26	2	105	46	17	1216K	H216	2.52	39.8	0.16	3.9	6.1	17	4.1	4300	5000
	80	140	33	2	105	59	17	2216K	H316	3.18	48.8	0.26	2.4	3.7	19.9	2.5	4000	4800
	80	170	39	2.1	105	59	17	1316K	H316	5.33	88.4	0.22	2.9	4.5	33	3	3400	4000
	80	170	58	2.1	105	78	17	2316K	H2316	7.24	136	0.34	1.9	2.9	48.5	2	3200	3800
75	85	150	28	2	110	50	18	1217K	H217	3.06	48.8	0.17	3.7	5.7	20.8	3.9	4000	4800
	85	150	36	2	110	63	18	2217K	H317	3.85	58.5	0.25	2.5	3.9	23.8	2.7	3800	4500
	85	180	41	3	110	63	18	1317K	H317	6.27	97.5	0.22	2.9	4.5	37.9	3	3200	3800
	85	180	60	3	110	82	18	2317K	H2317	8.34	140	0.37	1.7	2.6	51.5	1.8	3000	3600
80	90	160	30	2	120	52	18	1218K	H218	3.67	57	0.17	3.7	5.7	23.1	3.9	3800	4500
	90	160	40	2	120	65	18	2218K	H318	4.74	70.2	0.27	2.3	3.6	27.2	2.5	3600	4300
	90	190	43	3	120	65	18	1318K	H318	7.36	117	0.22	2.9	4.5	44.5	3	3000	3600
	90	190	64	3	120	86	18	2318K	H2318	9.94	153	0.38	1.7	2.6	57.7	1.7	2800	3400
85	95	170	32	2.1	125	55	19	1219K	H219	4.42	63.7	0.17	3.7	5.7	24.3	3.9	3400	4000
	95	200	45	3	125	68	19	1319K	H319	8.3	133	0.23	2.8	4.2	50.8	2.9	2800	3400
90	100	180	34	2.1	130	58	20	1220K	H220	5.13	68.9	0.17	3.7	5.7	29.7	3.9	3200	3800
	100	180	46	2.1	130	71	20	2220K	H320	6.63	97.5	0.24	2.6	4.1	34	2.8	2200	3800
	100	215	47	3	130	71	20	1320K	H320	9.96	143	0.24	2.6	4.1	57.3	2.8	2600	3200
	100	215	73	3	130	97	20	2320K	H2320	14.3	193	0.34	1.9	2.9	73.4	2	2400	3000
100	110	200	38	2.1	145	63	21	1222K	H222	7	88	0.17	3.7	5.7	35.2	3.9	2800	3400
	110	200	53	2.1	145	77	21	2222K	H322	9.15	124	0.26	2.4	3.7	48.9	2.5	2800	3400
	110	240	50	3	145	77	21	1322K	H322	13.9	163	0.22	2.9	4.5	67.5	3	2400	3000