



CRAFT BEARINGS

Quality Minded



GENERAL CATALOG

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SELF-ALIGNING BALL BEARINGS DOUBLE ROW

Series: 12.. 13.. 22.. 23..



Subject	Symbol	Description
Seal type	2RS	Rubber seals on both sides.
	RS	Rubber seal on one side.
Other technical modifications	K	Tapered bore.
Cage type	M	Brass cage.

Features

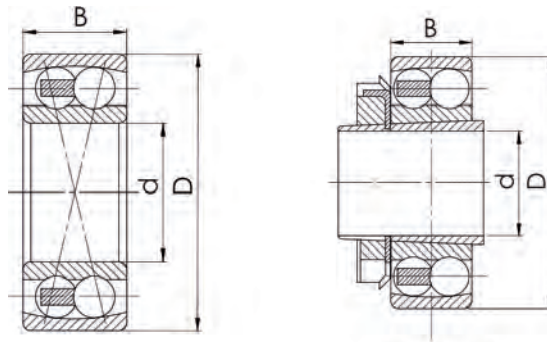
CRAFT bearings recommends Self-Aligning Ball Bearings when the alignment of the shaft and housing is problematic and the shaft may bend. The outer ring has a spherical raceway and its center of curvature coincides with that of the bearing; therefore, the axis of the inner ring, balls and cage can deflect to some extent around the bearing center.

Application

Applied in heavy loading and impact loading, such as precision instruments, low noise machine, automobile, motorcycle, metallurgy, rolling mill, mine, petroleum, paper making, cement, the sugar industry and etc. Self-Aligning Ball Bearings are used for commercial ground shafting applications.

Benefits

- Run cooler even at high speeds;
- Easy mounting and dismounting;
- Have the lowest friction of all rolling bearings;
- Compensates middle error, shaft deformation and housing deformation;
- The permissible operating speed is not dependent on the common criteria like heat generation or cage stability and strength.



Sleeve - H

ISO	GOST	SLEEVE NO.	Dimensions mm			Basic Load Rating (N)		Weight (kg)
			d	D	B	Dyn. C	Stat. C0	
1200	1200	-	10	30	9	5480	1200	0.034
1201	1201	-	12	32	10	5550	1250	0.040
1202	1202	-	15	35	11	7480	1750	0.049
1203	1203	-	17	40	12	7900	2020	0.073
1204	1204	-	20	47	14	9950	2650	0.116
1205	1205	-	25	52	15	12000	3300	0.140
1205 K	111205	H205	25	52	15	12000	3300	0.140
1206	1206	-	30	62	16	15800	4700	0.220
1206 K	111206	H206	30	62	16	15800	4700	0.220
1207	1207	-	35	72	17	15800	5080	0.320
1207 K	111207	H207	35	72	17	15800	5080	0.320
1208	1208	-	40	80	18	19200	6400	0.415
1208 K	111208	H208	40	80	18	19200	6400	0.415
1209	1209	-	45	85	19	21800	7320	0.465
1209 K	111209	H209	45	85	19	21800	7320	0.465
1210	1210	-	50	90	20	22800	8080	0.531
1210 K	111210	H210	50	90	20	22800	8080	0.531
1211	1211	-	55	100	21	26800	10000	0.705
1211 K	111211	H211	55	100	21	26800	10000	0.705
1212	1212	-	60	110	22	30200	11500	0.900
1212 K	111212	H212	60	110	22	30200	11500	0.900
1213	1213	-	65	120	23	31000	12500	1.150
1213 K	111213	H213	65	120	23	31000	12500	1.150
1214	1214	-	70	125	24	34500	13500	1.240
1215	1215	-	75	130	25	38800	15200	1.390
1215 K	111215	H215	75	130	25	38800	15200	1.390
1216	1216	-	80	140	26	39500	16800	1.700
1216 K	111216	H216	80	140	26	39500	16800	1.700
1217	1217	-	85	150	28	48800	20500	2.060
1217 K	111217	H217	85	150	28	48800	20500	2.060
1218	1218	-	90	160	30	56500	23200	2.590
1218 K	111218	H218	90	160	30	56500	23200	2.590
1219	1219	-	95	170	32	63500	27000	3.100
1220	1220	-	100	180	34	67400	28400	3.700
1220 K	111220	H220	100	180	34	67400	28400	3.700
1224	1224	-	120	215	42	117000	51000	6.770
1300	1300	-	10	35	11	7220	1620	0.058
1301	1301	-	12	37	12	9420	2120	0.067
1302	1302	-	15	42	13	9500	2280	0.094
1303	1303	-	17	47	14	12500	3180	0.130
1304	1304	-	20	52	15	12500	3380	0.165
1305	1305	-	25	62	17	17800	5050	0.255
1306	1306	-	30	72	19	21500	6280	0.385

ISO	GOST	SLEEVE NO.	Dimensions mm			Basic Load Rating (N)		Weight (kg)
			d	D	B	Dyn. C	Stat. C0	
1306 K	111306	H306	30	72	19	21500	6280	0.385
1307	1307	-	35	80	21	25000	7950	0.510
1307 K	111307	H307	35	80	21	25000	7950	0.510
1308	1308	-	40	90	23	29500	9500	0.715
1308 K	111308	H308	40	90	23	29500	9500	0.715
1309	1309	-	45	100	25	38000	12800	0.955
1309 K	111309	H309	45	100	25	38000	12800	0.955
1310	1310	-	50	110	27	43200	14200	1.200
1310 K	111310	H310	50	110	27	43200	14200	1.200
1311	1311	-	55	120	29	51500	18200	1.600
1311 K	111311	H311	55	120	29	51500	18200	1.600
1312	1312	-	60	130	31	57200	21200	1.950
1312 K	111312	H312	60	130	31	57200	21200	1.950
1313	1313	-	65	140	33	61800	22800	2.420
1313 K	111313	H313	65	140	33	61800	22800	2.420
1314	1314	-	70	150	35	74500	27500	3.000
1315	1315	-	75	160	37	79000	29800	3.550
1315 K	111315	H315	75	160	37	79000	29800	3.550
1316	1316	-	80	170	39	86700	31400	4.170
1316 K	111316	H316	80	170	39	86700	31400	4.170
1317	1317	-	85	180	41	97800	37800	5.000
1318	1318	-	90	190	43	115000	42000	5.800
1318 K	111318	H318	90	190	43	115000	42000	5.800
1319	1319	-	95	200	45	132000	50800	6.700
1320	1320	-	100	215	47	141000	55000	8.300
1320 K	111320	H320	100	215	47	141000	55000	8.300
1322 K	111322	H322	110	240	50	161000	70000	12.00
2200	1500	-	10	30	14	8000	1800	0.048
2200 2RS	1500	-	10	30	14	8000	1800	0.052
2201	1501	-	12	32	14	8400	1900	0.052
2201 2RS	1501	-	12	32	14	8400	1900	0.056
2202	1502	-	15	35	14	8600	2000	0.056
2202 2RS	1502	-	15	35	14	8600	2000	0.059
2203	1503	-	17	40	16	10400	2500	0.087
2203 2RS	1503	-	17	40	16	10400	2500	0.095
2204	1504	-	20	47	18	16400	4100	0.13
2204 2RS	1504	-	20	47	18	16400	4100	0.138
2204 K	111504	H304	20	47	18	16400	4100	0.13
2205	1505	-	25	52	18	15200	3900	0.160
2205 2RS	1505	-	25	52	18	15200	3900	0.160
2205 K	111505	H305	25	52	18	15200	3900	0.160
2206	1506	-	30	62	20	15200	4600	0.260
2206 2RS	1506	-	30	62	20	15200	4600	0.260
2206 K	111506	H306	30	62	20	15200	4600	0.260
2207	1507	-	35	72	23	21800	6650	0.405
2207 2RS	1507	-	35	72	23	21800	6650	0.405
2207 K	111507	H307	35	72	23	21800	6650	0.405
2208	1508	-	40	80	23	22500	7380	0.505
2208 2RS	1508	-	40	80	23	22500	7380	0.505
2208 K	111508	H308	40	80	23	22500	7380	0.505
2209	1509	-	45	85	23	23200	8000	0.540
2209 2RS	1509	-	45	85	23	23200	8000	0.540
2209 K	111509	H309	45	85	23	23200	8000	0.540
2210	1510	-	50	90	23	23200	8450	0.580
2210 2RS	1510	-	50	90	23	23200	8450	0.580
2210 K	111510	H310	50	90	23	23200	8450	0.580
2211	1511	-	55	100	25	26800	9950	0.800
2211 2RS	1511	-	55	100	25	26800	9950	0.810
2212	1512	-	60	110	28	34000	12500	1.090

ISO	GOST	SLEEVE NO.	Dimensions mm			Basic Load Rating (N)		Weight (kg)
			d	D	B	Dyn. C	Stat. C0	
2212 2RS	1512	-	60	110	28	34000	12500	1.090
2213	1513	-	65	120	31	43500	16200	1.450
2213 2RS	1513	-	65	120	31	43500	16200	1.500
2214	1514	-	70	125	31	44000	17000	1.500
2214 2RS	1514	-	70	125	31	44000	17000	1.580
2215	1515	-	75	130	31	44200	18000	1.600
2215 2RS	1515	-	75	130	31	44200	18000	1.670
2216	1516	-	80	140	33	48800	20200	2.150
2217	1517	-	85	150	36	58200	23500	2.670
2218	1518	-	90	160	40	70000	28500	3.370
2220	1520	-	100	180	46	97200	40500	4.940
2300	1600	-	10	35	17	10000	2100	0.080
2301	1601	-	12	37	17	11400	2600	0.091
2302	1602	-	15	42	17	11800	2800	0.108
2302 2RS	1602	-	15	42	17	11800	2800	0.111
2303	1603	-	17	47	19	14300	3500	0.168
2303 2RS	1603	-	17	47	19	14300	3500	0.171
2304	1604	-	20	52	21	17800	4750	0.210
2304 2RS	1604	-	20	52	21	17800	4750	0.220
2304 K	111604	H2304	20	52	21	17800	4750	0.210
2305	1605	-	25	62	24	24500	6480	0.335
2305 2RS	1605	-	25	62	24	24500	6480	0.354
2305 K	111605	H2305	25	62	24	24500	6480	0.335
2306	1606	-	30	72	27	31500	8680	0.500
2306 2RS	1606	-	30	72	27	31500	8680	0.500
2306 K	111606	H2306	30	72	27	31500	8680	0.500
2307	1607	-	35	80	31	39200	11000	0.675
2307 2RS	1607	-	35	80	31	39200	11000	0.675
2307 K	111607	H2307	35	80	31	39200	11000	0.675
2308	1608	-	40	90	33	44800	13200	0.925
2308 2RS	1608	-	40	90	33	44800	13200	0.925
2308 K	111608	H2308	40	90	33	44800	13200	0.925
2309	1609	-	45	100	36	55000	16200	1.230
2309 2RS	1609	-	45	100	36	55000	16200	1.230
2309 K	111609	H2309	45	100	36	55000	16200	1.230
2310	1610	-	50	110	40	64500	19800	1.630
2310 2RS	1610	-	50	110	40	64500	19800	1.630
2310 K	111610	H2310	50	110	40	64500	19800	1.630
2311	1611	-	55	120	43	75200	23500	2.090
2311 2RS	1611	-	55	120	43	75200	23500	2.120
2311 K	111611	H2311	55	120	43	75200	23500	2.090
2312	1612	-	60	130	46	86800	27500	2.600
2312 2RS	1612	-	60	130	46	86800	27500	2.620
2312 K	111612	H2312	60	130	46	86800	27500	2.600
2313	1613	-	65	140	48	96000	32500	3.200
2314	1614	-	70	150	51	110000	37500	3.920
2315	1615	-	75	160	55	122000	42800	4.780
2316	1616	-	80	170	58	128000	45500	5.650