



CRAFT BEARINGS

Quality Minded



GENERAL CATALOG

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Subject	Symbol	Description
Cages	M	Solid brass cage.
	-	Steel cage. Is not indicated as a standard.
Other technical modifications	U	Spherical washer.
Tolerances	P0	Normal tolerance level. Is not indicated as a standard.
	P6	Greater tolerance level than P0.

Features

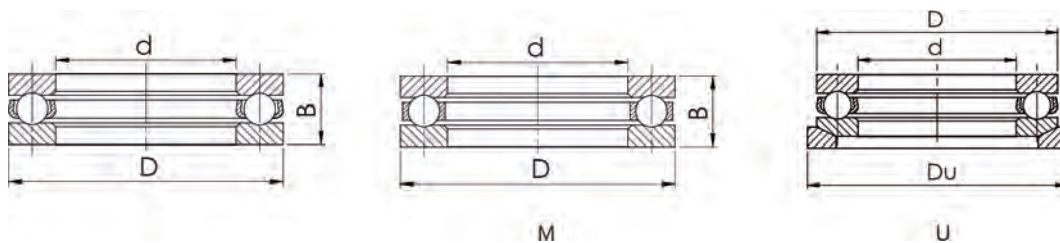
CRAFT bearings thrust ball bearings are design to accommodate large axial load, however they must not be subjected to radial load. Most frequent bearings are single direction thrust ball bearings. During operation these bearings must be constantly subjected to a specific axial load. These bearings can be also combined with spherical rings to cope with small initial misalignments.

Single direction thrust bearings

CRAFT bearings Single Direction Thrust Ball Bearings consist of two flat washers with raceways, balls and cage which are detachable. The washers have a flat seating surface therefore they have to be embedded so that all balls are equally loaded. Bearings only transfer axial loads in one direction.

Cage

Thrust ball bearings have as standard pressed steel cage, where the material and application is not marked. Larger size bearings use massive brass cage to offer more robust solutions.



ISO	GOST	Dimensions (mm)			Basic Load Rating (N)		Limiting speed (r/min)		Weight (kg)
		d	D	B	Dyn. C	Stat. C ₀	Lubrication		
							Grease	Oil	
51100	8100	10	24	9	10000	14000	7000	9500	0.020
51101	8101	12	26	9	10400	15300	6700	9000	0.022
51102	8102	15	28	9	10600	16600	6300	8500	0.023
51103	8103	17	30	9	11400	19600	6300	8500	0.025
51104	8104	20	35	10	12700	20800	5600	7500	0.038
51105	8105	25	42	11	15900	29000	4800	6300	0.056
51106	8106	30	47	11	16800	33500	4500	6000	0.063
51107	8107	35	52	12	17400	37500	4300	5600	0.080
51108	8108	40	60	13	23400	50000	3800	5000	0.120
51109	8109	45	65	14	24200	57000	3400	4500	0.140
51110	8110	50	70	14	25500	63000	3200	4300	0.160
51111	8111	55	78	16	30700	78000	2800	3800	0.247
51112	8112	60	85	17	36400	93000	2600	3600	0.330
51113	8113	65	90	18	37100	98000	2400	3400	0.359
51114	8114	70	95	18	37700	104000	2400	3400	0.385
51115	8115	75	100	19	44200	137000	2200	3200	0.400
51116	8116	80	105	19	44900	140000	2000	3000	0.420
51117	8117	85	110	19	46200	150000	2000	3000	0.440
51118	8118	90	120	22	59200	190000	1800	2600	0.670
51120	8120	100	135	25	85200	270000	1700	2400	0.970
51122	8122	110	145	25	87100	290000	1600	2200	1.050
51124	8124	120	155	25	88400	310000	1600	2200	1.150
51126	8126	130	170	30	110000	390000	1400	1900	1.850
51128	8128	140	180	31	112000	400000	1300	1800	2.050
51130	8130	150	190	31	112000	400000	1200	1700	2.200
51132	8132	160	200	31	112000	425000	1200	1700	2.350
51134	8134	170	215	34	133000	500000	1100	1600	3.300
51136	8136	180	225	34	135000	530000	1000	1500	3.500
51138	8138	190	240	37	172000	655000	950	1400	4.050
51140	8140	200	250	37	174000	655000	950	1400	4.250
51144	8144	220	270	37	178000	735000	900	1300	4.600
51148	8148	240	300	45	234000	965000	800	1100	7.550
51152	8152	260	320	45	238000	1020000	800	1100	8.100
51156	8156	280	350	53	319000	1460000	700	950	12.00
51160	8160	300	380	62	364000	1760000	630	850	17.50
51164	8164	320	400	63	371000	1860000	600	800	19.00
51168	8168	340	420	64	377000	1960000	600	800	20.00
51172	8172	360	440	65	390000	2000000	560	750	21.80
51176	8176	380	460	65	398000	2180000	550	750	22.75
51180	8180	400	480	65	403000	2250000	520	720	24.20
51200	8200	10	26	11	12700	17000	6000	8000	0.031
51201	8201	12	28	11	13300	19000	6000	8000	0.034
51202	8202	15	32	12	16500	25000	5300	7000	0.046

ISO	GOST	Dimensions (mm)			Basic Load Rating (N)		Limiting speed (r/min)		Weight (kg)
		d	D	B	Dyn. C	Stat. C ₀	Lubrication		
							Grease	Oil	
51203	8203	17	35	12	17200	27500	5000	6700	0.053
51204	8204	20	40	14	22500	37500	4500	6000	0.083
51205	8205	25	47	15	25500	47500	4000	5300	0.110
51206	8206	30	52	16	26700	50000	3600	4800	0.130
51207	8207	35	62	18	35100	67000	3000	4000	0.220
51208	8208	40	68	19	46800	98000	2800	3800	0.280
51209	8209	45	73	20	39000	80000	2600	3600	0.300
51210	8210	50	78	22	49400	106000	2400	3400	0.370
51211	8211	55	90	25	61800	134000	1900	2800	0.590
51212	8212	60	95	26	62400	140000	1900	2800	0.650
51213	8213	65	100	27	63700	150000	1800	2600	0.780
51214	8214	70	105	27	65000	160000	1800	2600	0.790
51215	8215	75	110	27	67600	170000	1700	2400	0.830
51216	8216	80	115	28	76100	190000	1700	2400	0.910
51217	8217	85	125	31	97500	250000	1600	2200	1.200
51218	8218	90	135	35	119000	300000	1500	2000	1.700
51220	8220	100	150	38	124000	320000	1300	1800	2.200
51222	8222	110	160	38	130000	360000	1200	1700	2.400
51224	8224	120	170	39	140000	400000	1100	1600	2.650
51226	8226	130	190	45	186000	540000	950	1400	4.000
51228	8228	140	200	46	190000	570000	950	1400	4.350
51230	8230	150	215	50	238000	735000	900	1300	6.100
51232	8232	160	225	51	242000	780000	850	1200	6.550
51234	8234	170	240	55	286000	930000	800	1100	8.150
51236	8236	180	250	56	296000	1000000	800	1100	8.600
51238	8238	190	270	62	332000	1160000	750	1000	11.700
51240	8240	200	280	62	338000	1220000	750	1000	12.000
51244	8244	220	300	63	351000	1320000	700	950	13.000
51248	8248	240	300	45	462000	1980000	600	800	23.000
51252	8252	260	360	79	470000	2100000	560	780	25.200
51256	8256	280	380	80	492000	2320000	550	750	26.500
51260	8260	300	420	95	605000	2870000	480	630	42.000
51264	8264	320	440	95	610000	2900000	450	600	45.320
51268	8268	340	460	96	612400	3200000	450	600	48.500
51272	8272	360	500	110	741000	4150000	400	530	70.000
51305	8305	25	52	18	34500	55000	3400	4500	0.170
51306	8306	30	60	21	37700	65500	2800	3800	0.260
51307	8307	35	68	24	49400	88000	2400	3400	0.380
51308	8308	40	78	26	61800	112000	2000	3000	0.530
51309	8309	45	85	28	76100	140000	1900	2800	0.660
51310	8310	50	95	31	88400	173000	1800	2600	0.940
51311	8311	55	105	35	104000	208000	1600	2200	1.300
51312	8312	60	110	35	101000	208000	1600	2200	1.350
51313	8313	65	115	36	106000	220000	1500	2000	1.500
51314	8314	70	125	40	135000	300000	1400	1900	2.000
51315	8315	75	135	44	163000	360000	1200	1700	2.600
51316	8316	80	140	44	160000	360000	1200	1700	2.700
51317	8317	85	150	49	190000	425000	1100	1600	3.550
51318	8318	90	155	50	195000	465000	1000	1500	3.800
51320	8320	100	170	55	229000	560000	950	1400	4.950
51322	8322	110	190	63	276000	720000	850	1200	7.850
51324	8324	120	210	70	325000	915000	800	1100	11.000
51326	8326	130	225	75	358000	1060000	750	1000	13.000
51328	8328	140	240	80	397000	1220000	700	950	15.500
51330	8330	150	250	80	410000	1400000	660	900	16.000
51332	8332	160	270	87	449000	1666000	600	850	21.000
51334	8334	170	280	87	468000	1760000	600	800	22.000
51336	8336	180	300	95	520000	2000000	560	750	27.500
51340	8340	200	340	110	620000	2450000	480	630	44.500

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							Lubrication		
		d	D	B	Dyn. C	Stat. C ₀	Grease	Oil	
51405	8405	25	60	24	55300	90000	2600	3600	0.340
51406	8406	30	70	28	72800	125000	2000	3000	0.520
51407	8407	35	80	32	87100	156000	1800	2600	0.760
51408	8408	40	90	36	112000	204000	1700	2400	1.100
51409	8409	45	100	39	130000	240000	1600	2200	1.400
51410	8410	50	110	43	159000	310000	1500	2000	2.000
51411	8411	55	120	48	178000	360000	1300	1800	2.550
51412	8412	60	130	51	199000	400000	1100	1600	3.100
51413	8413	65	140	56	216000	450000	1000	1500	4.000
51414	8414	70	150	60	234000	500000	950	1400	5.000
51415	8415	75	160	65	251000	560000	900	1400	6.750
51416	8416	80	170	68	270000	620000	850	1200	7.950
51417	8417	85	180	72	286000	680000	850	1200	9.450
51418	8418	90	190	77	307000	750000	800	1100	11.00
51420	8420	100	210	85	371000	965000	700	950	15.00
51422	8422	110	230	95	410000	1220000	630	850	20.00
51424	8424	120	250	102	423000	1320000	600	780	24.20
51426	8426	130	270	110	520000	1700000	560	750	32.00
51428	8428	140	280	112	520000	1700000	500	700	34.50

