Ceramic and Plastic Bearing

POPULAR SIZE

NINGBO ACCOR BEARING CO.,LTD

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Full ceramic(All-ceramic) bearing of ZrO2 materiarial

Full ceramic bearing have excellence performance as special electrical and magnetism resistance, wear and corrosion resistance, lubrication and maintenance free when working, especially high and low- temperature application .etc. could be used in awful environment and specially condition. The rings and balls made by full ceramic material:ZrO2, as a standard constructure, the cage made by PTFE, generally we also could make the cage with GRPA66-25,PEEK,PI,AISI SUS304,SUS316,Cu,etc

Full ceramic(All-ceramic) bearing of Si3N4 material

Full ceramic bearing made with Si3N4 have some better performance than ZrO2, the rings and balls made by full ceramic material:Si3N4, as a standard constructure,the cage made by PTFE, generally we also could make the cage with GFRPA66-25,PEEK,PI, Phonemic Textiles Tube ,etc. Compares than the material of ZrO2 ,The SiN4 ceramics bearings could endure heavier load and could be used in higher temperature environment. Also we could offer precision ceramic bearing which generally used in high-speed and high-rigidity spindle.the manufactured clearance could be P4 TO UP grade.

Full ceramic(All-ceramic) bearing of full complement balls

Full ceramic bearing of full complement balls has an add-ball gap on its side. Because using no cage design, the bearing able to install more ceramic balls than the standard construction, so the heavier radial load ability increased more. In addition, to avoid the limited of the cage material, this bearing same as the full ceramic bearing of ceramic cage has corrosion resistance and high temperature application. This series of bearing is not for high ¨Cspeed choice, it should be to install on the unforced side. As there have in the inner and out rings the bearing couldn't be used in axial load application.

Full ceramic(All-ceramic) bearing of ceramic cage

Ceramic cage has excellence performance as wear and corrosion resistance, high strength, lubrication and maintenance free when working. Adopting the ceramic cage, Ceramic bearing can be used in the most inclemency environments as corrosive, low temperature, high vacuum. The normal used ceramic materials with ZrO2.

Hybrid construction ceramic ball bearing

Ceramic ball especially Si3N4 have the following performance as low density, high strength, low friction coefficient, electrical and magnetism resistance, wear resistance, well rigidity, lubrication and maintenance free when working, it? ¯ s the best choice for rollers (inner ring and outer ring are made by metal) of the hybrid construction ceramic ball bearing which are used in high-speed, high accuracy and long life environments. Normally, GCr15 or （AISI440C,316 304) makes inner ring and outer ring; The ceramic ball can adopt ZrO2, Si3N4 or Sic.

氧化锆全陶瓷轴承

全陶瓷轴承具抗磁电绝缘、耐磨耐腐蚀、无油自润滑、耐高温耐高寒等特点， 可用于极度恶劣环境及特殊工况。套圈及滚动体采用氧化锆（ZrO2）陶瓷材料，保持器使用聚四氟乙烯（PTFE）作为标准配置，一般也可使用玻璃纤维增强的尼龙66（GRPA66-25），特种工程塑料（PEEK，PI），不锈钢（AISI SUS316、SUS304），黄铜（Cu）等。

氮化硅全陶瓷轴承

氮化硅全陶瓷轴承套圈及滚动体采用氮化硅（Si3N4）陶瓷材料，保持器使用聚四氟乙烯（PTFE）作为标准配置，一般也可使用GRPA66-25，PEEK，PI，以及酚醛夹布胶木管等。SiN4制全陶瓷轴承相比较ZrO2材料可适用于更高转速及负荷能力，以及适用于更高的环境温度。同时可提供用于高速高精度高刚性主轴的精密陶瓷轴承，最高制造精度达P4至UP级。

满装球全陶瓷轴承

满装球型全陶瓷轴承一面带添球缺口，因采用无保持架结构设计，可以比标准结构的轴承装入多的陶瓷球，从而提高其径向负荷能力，另外还可避免因保持架材料的限制，可达到陶瓷保持架型全陶瓷轴承耐腐蚀及耐温效果。该系列轴承不适宜较高转速，安装时应注意将缺口面装于不承受轴向负荷的一端。因该轴承内外圈具填球缺口，故不适合有较大轴向负荷场合应用。

碳化硅全陶瓷轴承系列

碳化硅是一种无机非金属材料,具有高硬度,高耐磨性,摩擦系数低,抗氧化性强,热稳定性好,热膨胀系数低,热导率大,以及抗热震和耐化学腐蚀等优良特性,可用于各种要求耐磨,耐蚀和耐高温的机械设备,我公司生产的碳化硅轴承采用新一代的无压烧结碳化硅(SSIC),选用高纯度a-SIC微粉和添加剂压制成素坯,采用无压烧结工艺,在高温下烧结而成的高纯度,高密度,不含游离硅的SIC,无压烧结SIC的硬度,强度,耐腐蚀,耐高温,抗冲击性等各项性能均比其它工程陶瓷如氧化锆，反应烧结碳化硅等优良。

陶瓷保持架全陶瓷轴承

陶瓷制保持架具有耐磨损,高强度,耐腐蚀及自润滑的优点,采用陶瓷保持架制造的全陶瓷轴承可使用 于极强腐蚀,超高低温及高真空等苛刻环境.常用保持架陶瓷材料为ZrO2 。

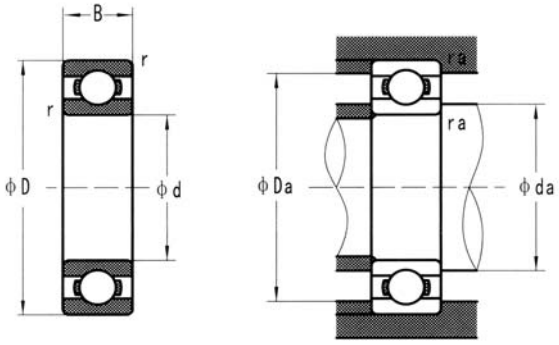
混合陶瓷球轴承

陶瓷球特别是氮化硅球具有低密度、高硬度、低摩擦系数，抗磁电绝缘、耐磨、自润滑及刚性好等特点，特别适合做高速、高精度及长寿命混合陶瓷球轴承的滚动体（内外圈为金属）。一般内外圈采用轴承钢 （GCr15）或不锈钢（AISI440C， 316 304），陶瓷球可选用ZrO2，Si3N4，或SiC材料。

Deep groove ceramic ball bearing

深沟球全陶瓷轴承尺寸表

deep groove ceramic ball bearing

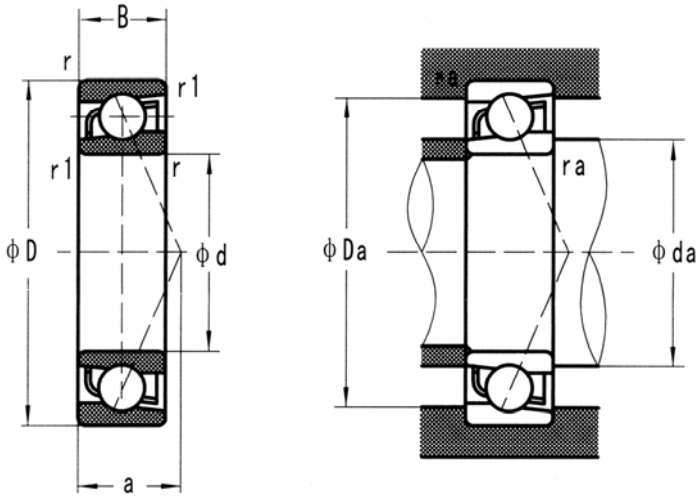


Bearing No.	Boundary dimensions(mm)				Mounting dimensions(mm)				Mass	
					da	da	Da	ra	（kg）	(refer）
	d	D	B	r (min）	min	max	max	max	ZrO2	Si3N4
684CE	4	9	2.5	0.1	4.8	/	8.2	0.1	0.0005	0.0003
694CE		11	4	0.15	5.2	/	9.8	0.15	0.0013	0.0007
604CE		12	4	0.2	5.6	/	10.4	0.2	0.0017	0.0009
624CE		13	5	0.2	5.6	/	11.4	0.2	0.0023	0.0013
634CE		16	5	0.3	6	/	14	0.3	0.004	0.0022
685CE	5	11	3	0.15	6.2	/	9.8	0.15	0.0009	0.0005
695CE		13	4	0.2	6.6	/	11.4	0.2	0.0019	0.001
605CE		14	5	0.2	6.6	/	12.4	0.2	0.0027	0.0015
625CE		16	5	0.3	7	/	14	0.3	0.0038	0.0021
635CE		19	6	0.3	7	/	17	0.3	0.0066	0.0036
686CE	6	13	3.5	0.15	7.2	/	11.8	0.15	0.0015	0.0008
696CE		15	5	0.2	7.6	/	13.4	0.2	0.003	0.0016
606CE		17	6	0.3	8	/	15	0.3	0.0046	0.0025
626CE		19	6	0.3	8	/	17	0.3	0.0063	0.0034
636CE		22	7	0.3	8	/	20	0.3	0.0108	0.0058
687CE	7	14	3.5	0.15	8.2	/	12.8	0.15	0.0017	0.0009
697CE		17	5	0.3	9	/	15	0.3	0.004	0.0022
607CE		19	6	0.3	9	/	17	0.3	0.0059	0.0032
627CE		22	7	0.3	9	/	20	0.3	0.0098	0.0053
637CE		26	9	0.3	9	/	24	0.3	0.0185	0.01
688CE	8	16	4	0.2	9.6	/	14.4	0.2	0.0025	0.0014
698CE		19	6	0.3	10	/	17	0.3	0.0056	0.003
608CE		22	7	0.3	10	/	20	0.3	0.0093	0.005
628CE		24	8	0.3	10	/	22	0.3	0.013	0.0072
638CE		28	9	0.3	10	/	26	0.3	0.022	0.012
689CE	9	17	4	0.2	10.6	/	15.4	0.2	0.0027	0.0015
699CE		20	6	0.3	11	/	18	0.3	0.0065	0.0035
609CE		24	7	0.3	11	/	22	0.3	0.011	0.006
629CE		26	8	0.3	11	/	24	0.3	0.015	0.0081
639CE		30	10	0.6	13	/	26	0.6	0.028	0.015
6800CE	10	19	5	0.3	12	12	17	0.3	0.004	0.0021
6900CE		22	6	0.3	12	12.5	20	0.3	0.007	0.0038
6000CE		26	8	0.3	12	13	24	0.3	0.014	0.0075
6200CE		30	9	0.6	14	16	26	0.6	0.025	0.013
6300CE		35	11	0.6	14	16.5	31	0.6	0.04	0.022
6801CE	12	21	5	0.3	14	14	19	0.3	0.005	0.0025
6901CE		24	6	0.3	14	14.5	22	0.3	0.008	0.0042
16001CE		28	7	0.3	14	/	26	0.3	0.015	0.0079
6001CE		28	8	0.3	14	15.5	26	0.3	0.017	0.0092
6201CE		32	10	0.6	16	17	28	0.6	0.028	0.015
6301CE		37	12	1	17	18	32	1	0.046	0.025

Bearing No.	Boundary dimensions(mm)				Mounting dimensions(mm)				Mass	
					da	da	Da	ra	（kg）	(refer）
	d	D	B	r（min）	min	max	max	max	ZrO2	Si3N4
6802CE	15	24	5	0.3	17	17	22	0.3	0.005	0.0029
6902CE		28	7	0.3	17	17	26	0.3	0.012	0.0063
16002CE		32	8	0.3	17	/	30	0.3	0.021	0.011
6002CE		32	9	0.3	17	19	30	0.3	0.024	0.013
6202CE		35	11	0.6	19	20.5	31	0.3	0.035	0.019
6302CE		42	13	1	20	22.5	37	1	0.064	0.035
6803CE	17	26	5	0.3	19	19	24	0.3	0.005	0.0029
6903CE		30	7	0.3	19	19.5	28	0.3	0.013	0.0071
16003CE		35	8	0.3	19	/	33	0.3	0.025	0.014
6003CE		35	10	0.3	19	21.5	33	0.3	0.032	0.017
6203CE		40	12	0.6	21	23.5	36	0.6	0.052	0.028
6303CE		47	14	1	22	25.5	42	1	0.087	0.047
6403CE		62	17	1.1	23.5	/	55.5	1	0.21	0.11
6804CE	20	32	7	0.3	22	22.5	30	0.3	0.013	0.007
6904CE		37	9	0.3	22	24	35	0.3	0.028	0.015
16004CE		42	8	0.3	22	/	40	0.3	0.037	0.02
6004CE		42	12	0.6	24	25.5	38	0.6	0.052	0.028
6204CE		47	14	1	25	26.5	42	1	0.082	0.045
6304CE		52	15	1.1	26.5	28	45.5	1	0.11	0.06
6404CE		72	19	1.1	26.5	/	65.5	1	0.31	0.17
6805CE	25	37	7	0.3	27	27	35	0.3	0.016	0.009
6905CE		42	9	0.3	27	28.5	40	0.3	0.032	0.018
16005CE		47	8	0.3	27	/	45	0.3	0.045	0.025
6005CE		47	12	0.6	29	30	43	0.6	0.061	0.033
6205CE		52	15	1	30	32	47	1	0.099	0.054
6305CE		62	17	1.1	31.5	36	55.5	1	0.18	0.098
6405CE		80	21	1.5	33	/	72	1.5	0.41	0.22
6806CE	30	42	7	0.3	32	32	50	1	0.018	0.01
6906CE		47	9	0.3	32	34	57	1	0.04	0.022
16006CE		55	9	0.3	32	42.5	65.5	1	0.067	0.036
6006CE		55	13	1	35	36.5	53	1	0.089	0.048
6206CE		62	16	1	35	38.5	60	1	0.15	0.083
6306CE		72	19	1.1	36.5	42.5	68.5	1	0.27	0.14
6406CE		90	23	1.5	54	/	82	2	0.57	0.31
6807CE	35	47	7	0.3	37	37	45	0.3	0.021	0.011
6907CE		55	10	0.6	39	39	51	0.6	0.058	0.031
16007CE		62	9	0.3	37	/	60	0.3	0.082	0.045
6007CE		62	14	1	40	41.5	57	1	0.12	0.063
6207CE		72	17	1.1	41.5	44.5	65.5	1	0.22	0.12
6307CE		80	21	1.5	43	47	72	1.5	0.36	0.19
6407CE		100	25	1.5	43	/	92	1.5	0.73	0.4
6808CE	40	52	7	0.3	42	42	50	0.3	0.02	0.013
6908CE		62	12	0.6	44	46	58	0.6	0.09	0.05
16008CE		68	9	0.3	42	/	66	0.3	0.1	0.05
6008CE		68	15	1	45	47.5	63	1	0.15	0.08
6208CE		80	18	1.1	46.5	50.5	73.5	1	0.28	0.15
6308CE		90	23	1.5	48	53	80	1.5	0.49	0.27
6408CE		110	27	2	49	/	101	2	0.946	0.513
6809CE	45	58	7	0.3	47	47.5	56	0.3	0.029	0.016
6909CE		68	12	0.6	49	50	64	0.6	0.097	0.053
16009CE		75	10	0.6	49	/	71	0.6	0.13	0.07
6009CE		75	16	1	50	53.5	70	1	0.19	0.1
6209CE		85	19	1.1	51.5	55.5	78.5	1	0.32	0.175
6309CE		100	25	1.5	53	61.5	92	1.5	0.64	0.345
6409CE		120	29	2	54	/	111	2	1.18	0.64

Bearing No.	Boundary dimensions(mm)				Mounting dimensions(mm)				Mass	
					da	da	Da	ra	（kg）	(refer）
	d	D	B	r（min）	min	max	max	max	ZrO2	Si3N4
6810CE	50	65	7	0.3	52	52.5	63	0.3	0.038	0.021
6910CE		72	12	0.6	54	55	68	0.6	0.1	0.06
16010CE		80	10	0.6	54	/	76	0.6	0.13	0.07
6010CE		80	16	1	55	58.5	75	1	0.2	0.11
6210CE		90	20	1.1	56.5	60	83.2	1	0.35	0.19
6310CE		110	27	2	59	68	101	2	0.82	0.44
6410CE		130	31	2.1	61	/	119	2	1.45	0.78
6811CE	55	72	9	0.3	57	59	70	0.3	0.06	0.03
6911CE		80	13	1	60	61.5	75	1	0.15	0.08
16011CE		90	11	0.6	59	/	86	0.6	0.2	0.11
6011CE		90	18	1.1	61.5	64	83.5	1	0.29	0.16
6211CE		100	21	1.5	63	66.5	92	1.5	0.48	0.26
6311CE		120	29	2	64	72.5	111	2	1.05	0.57
6411CE		140	33	2.1	66	/	129	2	1.76	0.95
6812CE	60	78	10	0.3	62	64	76	0.3	0.08	0.04
6912CE		85	13	1	65	66	80	1	0.15	0.08
16012CE		95	11	0.6	64	/	91	0.6	0.22	0.12
6012CE		95	18	1.1	66.5	69	88.5	1	0.32	0.17
6212CE		110	22	1.5	68	74.5	102	1.5	0.6	0.33
6312CE		130	31	2.1	71	79	119	2	1.32	0.72
6412CE		150	35	2.1	71		139	2	2.13	1.15
6813CE	65	85	10	0.6	69	69	81	0.6	0.1	0.05
6913CE		90	13	1	70	71.5	85	1	0.17	0.09
16013CE		100	11	0.6	69	/	96	0.6	0.23	0.13
6013CE		100	18	1.1	71.5	73	93.5	1	0.34	0.18
6213CE		120	23	1.5	73	80	112	1.5	0.77	0.42
6313CE		140	33	2.1	76	85.5	129	2	1.62	0.88
6814CE	70	90	10	0.6	74	74.5	86	0.6	0.1	0.056
6914CE		100	16	1	75	77.5	95	1	0.27	0.15
16014CE		110	13	0.6	74	/	106	0.6	0.34	0.18
6014CE		110	20	1.1	76.5	80.5	103.5	1	0.47	0.25
6214CE		125	24	1.5	78	84	117	1.5	0.84	0.45
6314CE		150	35	2.1	81	92	139	2	1.98	1.07
6815CE	75	95	10	0.6	79	79.5	91	0.6	0.11	0.06
6915CE		105	16	1	80	82	100	1	0.28	0.15
16015CE		115	13	0.6	79	/	111	0.6	0.36	0.19
6015CE		115	20	1.1	81.5	85.5	108.5	1	0.5	0.27
6215CE		130	25	1.5	83	90	122	1.5	0.92	0.5
6816CE	80	100	10	0.6	84	84.5	96	0.6	0.12	0.063
6916CE		110	16	1	85	87.5	105	1	0.3	0.16
16016CE		125	14	0.6	84	/	121	0.6	0.48	0.26
6016CE		125	22	1.1	86.5	91	118.5	1	0.67	0.36
6216CE		140	26	2	89	95.5	131	2	1.09	0.59
6817CE	85	110	13	1	90	90.5	105	1	0.2	0.11
6917CE		120	18	1.1	91.5	94.5	113.5	1	0.42	0.23
16017CE		130	14	0.6	89	/	126	0.6	0.5	0.27
6017CE		130	22	1.1	91.5	96	123.5	1	0.71	0.38
6217CE		150	28	2	94	102	141	2	1.35	0.73
6818CE	90	115	13	1	95	95.5	110	1	0.21	0.12
6918CE		125	18	1.1	96.5	98.5	118.5	1	0.45	0.24
16018CE		140	16	1	95	/	135	1	0.67	0.36
6018CE		140	24	1.5	98	103	132	1.5	0.92	0.5

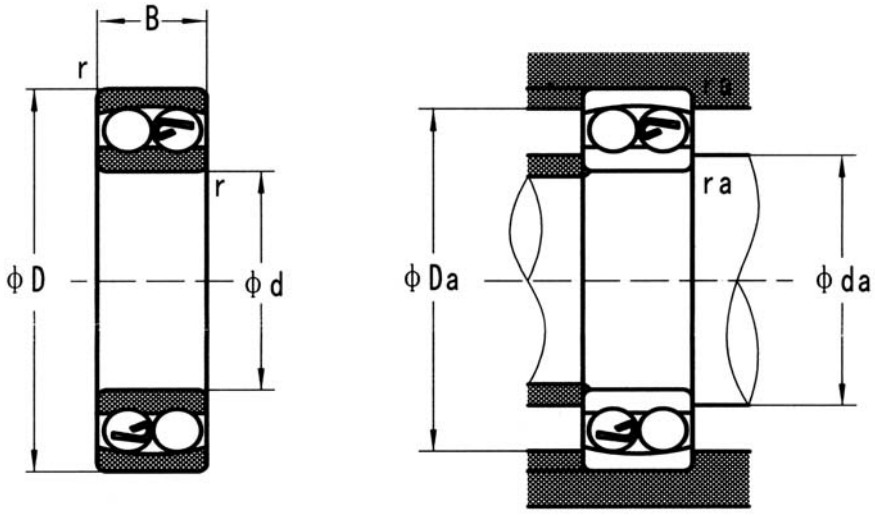
Full ceramic bearing of Si3N4 material



Bearing No	boundary dimensions（mm）					mounting dimensions (mm)			mass	
						da	Da	ra	（kg）	(refer）
	d	D	B	r (min）	r1 (min）	min	max	max	ZrO2	Si3N4
7900CE	10	22	6	0.3	0.15	12.5	19.5	0.3	0.007	0.0038
7000CE		26	8	0.3	0.15	12.5	23.5	0.3	0.014	0.0075
7200CE		30	9	0.6	0.3	15	25	0.6	0.025	0.013
7300CE		35	11	0.6	0.3	15	30	0.6	0.04	0.022
7901CE	12	24	6	0.3	0.15	14.5	21.5	0.3	0.008	0.0042
7001CE		28	8	0.3	0.15	14.5	25.5	0.3	0.017	0.0092
7201CE		32	10	0.6	0.3	17	27	0.6	0.028	0.015
7301CE		37	12	1	0.6	18	31	1	0.046	0.025
7902CE	15	28	7	0.3	0.15	17.5	25.5	0.3	0.012	0.0063
7002CE		32	9	0.3	0.15	17.5	29.5	0.3	0.024	0.013
7202CE		35	11	0.6	0.3	20	30	0.3	0.035	0.019
7302CE		42	13	1	0.6	21	36	1	0.064	0.035
7903CE	17	30	7	0.3	0.15	19.5	27.5	0.3	0.013	0.0071
7003CE		35	10	0.3	0.15	19.5	32.5	0.3	0.032	0.017
7203CE		40	12	0.6	0.3	22	35	0.6	0.052	0.028
7303CE		47	14	1	0.6	23	41	1	0.087	0.047
7904CE	20	37	9	0.3	0.15	22.5	34.5	0.3	0.028	0.015
7004CE		42	12	0.6	0.3	25	37	0.6	0.052	0.028
7204CE		47	14	1	0.6	26	41	1	0.082	0.045
7304CE		52	15	1.1	0.6	27	45	1	0.11	0.06
7905CE	25	42	9	0.3	0.15	27.5	39.5	0.3	0.032	0.018
7005CE		47	12	0.6	0.3	30	42	0.6	0.061	0.033
7205CE		52	15	1	0.6	31	46	1	0.099	0.054
7305CE		62	17	1.1	0.6	32	55	1	0.18	0.098
7906CE	30	47	9	0.3	0.15	32.5	44.5	1	0.04	0.022
7006CE		55	13	1	0.6	36	49	1	0.089	0.048
7206CE		62	16	1	0.6	36	56	1	0.15	0.083
7306CE		72	19	1.1	0.6	37	65	1	0.27	0.14
7907CE	35	55	10	0.6	0.3	40	50	0.6	0.058	0.031
7007CE		62	14	1	0.6	41	56	1	0.12	0.063
7207CE		72	17	1.1	0.6	42	65	1	0.22	0.12
7307CE		80	21	1.5	1	44	71	1.5	0.36	0.19
7908CE	40	62	12	0.6	0.3	45	57	0.6	0.09	0.05
7008CE		68	15	1	0.6	46	62	1	0.15	0.08
7208CE		80	18	1.1	0.6	47	73	1	0.28	0.15
7308CE		90	23	1.5	1	49	81	1.5	0.49	0.27

Bearing No	boundary dimensions（mm）					mounting dimensions (mm)			mass	
						da	Da	ra	（kg）	(refer）
	d	D	B	r (min）	r1 (min）	min	max	max	ZrO2	Si3N4
7909CE	45	68	12	0.6	0.3	50	63	0.6	0.097	0.053
7009CE		75	16	1	0.6	51	69	1	0.19	0.1
7209CE		85	19	1.1	0.6	52	78	1	0.32	0.175
7309CE		100	25	1.5	1	54	91	1.5	0.64	0.345
7910CE	50	72	12	0.6	0.3	55	67	0.6	0.1	0.06
7010CE		80	16	1	0.6	56	74	1	0.2	0.11
7210CE		90	20	1.1	0.6	57	83	1	0.35	0.19
7310CE		110	27	2	1	60	100	2	0.82	0.44
7911CE	55	80	13	1	0.6	61	74	1	0.15	0.08
7011CE		90	18	1.1	0.6	62	83	1	0.29	0.16
7211CE		100	21	1.5	1	64	91	1.5	0.48	0.26
7311CE		120	29	2	1	65	110	2	1.05	0.57
7912CE	60	85	13	1	0.6	66	79	1	0.15	0.08
7012CE		95	18	1.1	0.6	67	88	1	0.32	0.17
7212CE		110	22	1.5	1	69	101	1.5	0.6	0.33
7312CE		130	31	2.1	1.1	72	118	2	1.32	0.72
7913CE	65	90	13	1	0.6	71	84	1	0.17	0.09
7013CE		100	18	1.1	0.6	72	93	1	0.34	0.18
7213CE		120	23	1.5	1	74	111	1.5	0.77	0.42
7313CE		140	33	2.1	1.1	77	128	2	1.62	0.88
7914CE	70	100	16	1	0.6	76	94	1	0.27	0.15
7014CE		110	20	1.1	0.6	77	103	1	0.47	0.25
7214CE		125	24	1.5	1	79	116	1.5	0.84	0.45
7314CE		150	35	2.1	1.1	82	138	2	1.98	1.07
7915CE	75	105	16	1	0.6	81	99	1	0.28	0.15
7015CE		115	20	1.1	0.6	82	108	1	0.5	0.27
7215CE		130	25	1.5	1	84	121	1.5	0.92	0.5
7916CE	80	110	16	1	0.6	86	104	1	0.3	0.16
7016CE		125	22	1.1	0.6	87	118	1	0.67	0.36
7216CE		140	26	2	1	90	130	2	1.09	0.59
7017CE	85	130	22	1.1	0.6	92	123	1	0.71	0.38
7217CE		150	28	2	1	95	140	2	1.35	0.73
7918CE	90	125	18	1.1	0.6	97	118	1	0.45	0.24
7018CE		140	24	1.5	1	99	131	1.5	0.92	0.5
7919CE	95	130	18	1.1	0.6	102	123	1	0.46	0.25
7019CE		145	24	1.5	1	104	136	1.5	0.95	0.51
7920CE	100	140	20	1.1	0.6	107	133	1	0.64	0.35
7020CE		150	24	1.5	1	109	141	1.5	0.99	0.54
7921CE	105	145	20	1.1	0.6	112	138	1	0.66	0.36
7922CE	110	150	20	1.1	0.6	117	143	1	0.69	0.37

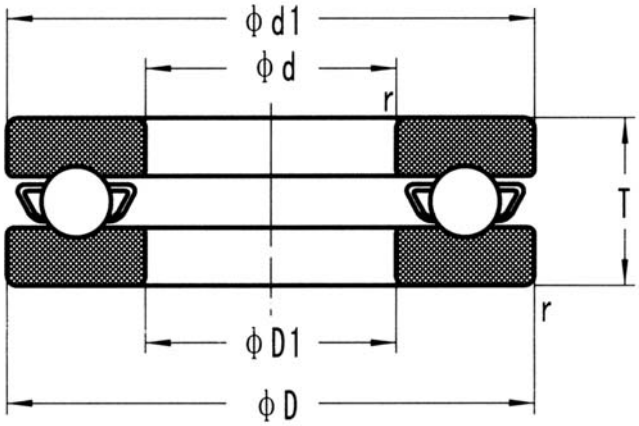
Full ceramic bearing of ZrO2 material



Bearing No	Boundary dimensions（mm）				Mounting dimensions (mm)			mass	
					da	Da	ra	（kg）	(refer）
	d	D	B	r (min）	min	max	max	ZrO2	Si3N4
135CE	5	19	6	0.3	7	17	0.3	0.007	0.004
126CE	6	19	6	0.3	8	17	0.3	0.007	0.004
127CE	7	22	7	0.3	9	20	0.3	0.011	0.006
108CE	8	22	7	0.3	10	20	0.3	0.011	0.006
129CE	9	26	8	0.6	13	22	0.6	0.017	0.009
1200CE	10	30	9	0.6	14	26	0.6	0.026	0.014
2200CE		30	14	0.6	14	26	0.6	0.036	0.019
1300CE		25	11	0.6	14	31	0.6	0.045	0.024
2300CE		25	17	0.6	14	31	0.6	0.065	0.035
1201CE	12	32	10	0.6	16	28	0.6	0.031	0.016
2201CE		32	14	0.6	16	28	0.6	0.041	0.022
1301CE		37	12	1	17	32	1	0.052	0.027
2301CE		37	17	1	17	32	1	0.073	0.039
1202CE	15	35	11	0.6	19	31	0.6	0.038	0.02
2202CE		35	14	0.6	19	31	0.6	0.046	0.025
1302CE		42	13	1	20	37	1	0.072	0.039
2302CE		42	17	1	20	37	1	0.088	0.047
1203CE	17	40	12	0.6	21	36	0.6	0.056	0.03
2203CE		40	16	0.6	21	36	0.6	0.068	0.036
1303CE		47	14	1	22	42	1	0.1	0.053
2303CE		47	19	1	22	42	1	0.12	0.065
1204CE	20	47	14	1	25	42	1	0.09	0.049
2204CE		47	18	1	25	42	1	0.11	0.057
1304CE		52	15	1.1	26.5	45.5	1	0.13	0.067
1304CE		52	21	1.1	26.5	45.5	1	0.16	0.086
1205CE	25	52	15	1	30	47	1	0.11	0.058
2205CE		52	18	1	30	47	1	0.13	0.067
1305CE		62	17	1.1	31.5	55.5	1	0.2	0.11
2305CE		62	24	1.1	31.5	55.5	1	0.26	0.14
1206CE	30	62	16	1	35	57	1	0.17	0.09
2206CE		62	20	1	35	57	1	0.2	0.11
1306CE		72	19	1.1	36.5	65.5	1	0.3	0.16
2306CE		72	27	1.1	36.5	65.5	1	0.38	0.21

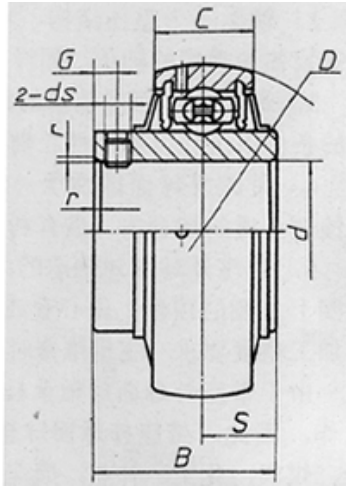
Bearing No	Boundary dimensions（mm）				Mounting dimensions (mm)			mass	
					da	Da	ra	（kg）	(refer）
	d	D	B	r (min）	min	max	max	ZrO2	Si3N4
1207CE	35	72	17	1.1	41.5	65.5	1	0.25	0.13
2207CE		72	23	1.1	41.5	65.5	1	0.31	0.17
1307CE		80	21	1.5	43	72	1.5	0.39	0.21
2307CE		80	31	1.5	43	72	1.5	0.52	0.28
1208CE	40	80	18	1.1	46.5	73.5	1	0.32	0.17
2208CE		80	23	1.1	46.5	73.5	1	0.39	0.21
1308CE		90	23	1.5	48	82	1.5	0.55	0.29
2308CE		90	33	1.5	48	82	1.5	0.71	0.38
1209CE	45	85	19	1.1	51.5	78.5	1	0.36	0.19
2209CE		85	23	1.1	51.5	78.5	1	0.42	0.22
1309CE		100	25	1.5	53	92	1.5	0.74	0.39
2309CE		100	36	1.5	53	92	1.5	0.95	0.5
1210CE	50	90	20	1.1	56.5	83.5	1	0.4	0.22
2210CE		90	23	1.1	56.5	83.5	1	0.45	0.24
1310CE		110	27	2	59	101	2	0.93	0.5
2310CE		110	40	2	59	101	2	1.26	0.67
1211CE	55	100	21	1.5	63	92	1.5	0.54	0.29
2211CE		100	25	1.5	63	92	1.5	0.62	0.33
1311CE		120	29	2	64	111	2	1.22	0.65
2311CE		120	43	2	64	111	2	1.62	0.86
1212CE	60	110	22	1.5	68	102	1.5	0.69	0.37
2212CE		110	28	1.5	68	102	1.5	0.84	0.45
1312CE		130	31	2.1	71	119	2	1.51	0.8
2312CE		130	46	2.1	71	119	2	2	1.07
1213CE	65	120	23	1.5	73	112	1.5	0.88	0.47
2213CE		120	31	1.5	73	112	1.5	1.12	0.6
1313CE		140	33	2.1	76	129	2	1.88	1.01
2313CE		140	48	2.1	76	129	2	2.48	1.33
1214CE	70	125	24	1.5	78	117	1.5	0.97	0.52
2214CE		125	31	1.5	78	117	1.5	1.17	0.62
1314CE		150	35	2.1	81	139	2	2.3	1.23
2314CE		150	51	2.1	81	139	2	3.25	1.74
1215CE	75	130	25	1.5	83	122	1.5	1.05	0.56
2215CE		130	31	1.5	83	122	1.5	1.25	0.66
1216CE	80	140	26	2	89	131	2	1.28	0.69
2216CE		140	33	2	89	131	2	1.55	0.82
1217CE	85	150	28	2	94	141	2	1.59	0.85
2217CE		150	36	2	94	141	2	1.94	1.03

Full ceramic bearing of Si3N4 material dimensions and mounting table



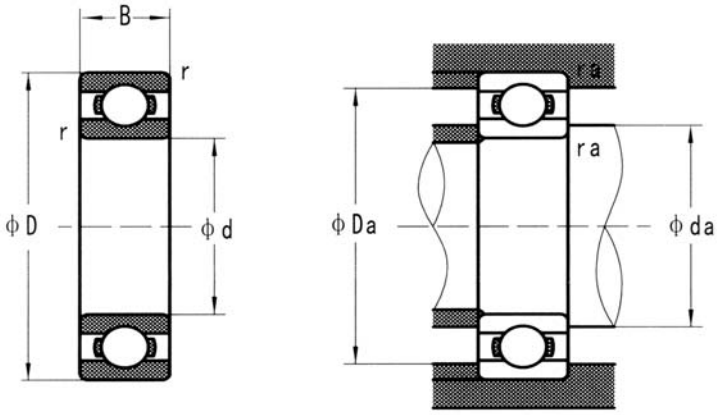
Bearing No	Boundary dimensions（mm）				Mounting dimensions (mm)		mass	
					d1	D1	（kg）	(refer）
	d	D	T	r（min）	max	min	ZrO2	Si3N4
51100CE	10	24	9	0.3	24	11	0.015	0.0078
51200CE		26	11	0.6	26	12	0.022	0.011
51101CE	12	26	9	0.3	26	13	0.016	0.009
51201CE		28	11	0.6	28	14	0.024	0.013
51102CE	15	28	9	0.3	28	16	0.018	0.0094
51202CE		32	12	0.6	32	17	0.033	0.018
51103CE	17	30	9	0.3	30	18	0.019	0.01
51203CE		35	12	0.6	35	19	0.038	0.021
51104CE	20	35	10	0.3	35	21	0.028	0.015
51204CE		40	14	0.6	40	22	0.059	0.032
51105CE	25	42	11	0.6	42	26	0.043	0.023
51205CE		47	15	0.6	47	27	0.085	0.046
51106CE	30	47	11	0.6	47	32	0.049	0.026
51206CE		52	16	0.6	52	32	0.11	0.056
51107CE	35	52	12	0.6	52	37	0.062	0.033
51207CE		62	18	1	62	37	0.16	0.086
51108CE	40	60	13	0.6	60	42	0.092	0.049
51208CE		68	19	1	68	42	0.21	0.11
51109CE	45	65	14	0.6	65	47	0.11	0.059
51209CE		73	20	1	73	47	0.24	0.13
51110CE	50	70	14	0.6	70	52	0.12	0.063
51210CE		78	22	1	78	52	0.29	0.16
51111CE	55	78	16	0.6	78	57	0.17	0.093
51211CE		90	25	1	90	57	0.46	0.25
51112CE	60	85	17	1	85	62	0.22	0.12
51212CE		95	26	1	95	62	0.52	0.28
51113CE	65	90	18	1	90	67	0.25	0.13
51213CE		100	27	1	100	67	0.58	0.31
51114CE	70	95	18	1	95	72	0.27	0.14
51214CE		105	27	1	105	72	0.61	0.33
51115CE	75	100	19	1	100	77	0.3	0.16
51215CE		110	27	1	110	77	0.65	0.35
51116CE	80	105	19	1	105	82	0.32	0.17
51216CE		115	28	1	115	82	0.72	0.38
51117CE	85	110	19	1	110	87	0.34	0.18
51217CE		125	31	1	125	88	0.94	0.5
51118CE	90	120	22	1	120	92	0.5	0.27
51218CE		135	35	1.1	135	93	1.3	0.69

Full ceramic bearing of Si3N4 material/ ceramic cage



Bearing No	Boundary Dimensions (mm)								mass	
									（kg）	(refer）
	d	D	B	S	C	r/min	G	ds	ZrO2	Si3N4
UC201CE	12	47	31	12.7	17	0.6	4.5	M6 x 1	0.16	0.09
UC202CE	15	47	31	12.7	17	0.6	4.5	M6 x 1	0.15	0.08
UC203CE	17	47	31	12.7	17	0.6	4.5	M6 x 1	0.14	0.07
UC204CE	20	47	31	12.7	17	1	4.5	M6 x 1	0.12	0.07
UC205CE	25	52	34.1	14.3	17V	1	5	M6 x 1	0.17	0.09
UC206CE	30	62	38.1	15.9	19	1	5	M6 x 1	0.27	0.14
UC207CE	35	72	42.9	17.5	20	1.1	6	M8 x 1	0.40	0.21
UC208CE	40	80	49.2	19	21	1.1	8	M8 x 1	0.54	0.29
UC209CE	45	85	49.2	19	22	1.1	8	M8 x 1	0.57	0.30
UC210CE	50	90	51.6	19	24	1.1	9	M10 x 1	0.64	0.34
UC211CE	55	100	55.6	22.2	25	1.5	9	M10 x 1	0.89	0.48
UC212CE	60	110	65.1	25.4	27	1.5	10	M10 x 1	1.20	0.64
UC213CE	65	120	65.1	25.4	27	1.5	10	M10 x 1	1.51	0.80
UC214CE	70	125	74.6	30.2	29	1.5	12	M12 x 1.25	1.68	0.89
UC215CE	75	130	77.8	33.3	30	1.5	12	M12 x 1.25	1.86	0.99
UC216CE	80	140	82.6	33.3	33	2	14	M12 x 1.25	2.17	1.16
UC217CE	85	150	85.7	34.1	36	2	14	M12 x 1.25	2.62	1.39
UC218CE	90	160	96	39.7	37	2	14	M12 x 1.25	3.31	1.76
UC220CE	100	180	108	42	41	2	14	M12 x 1.25	3.46	1.85

Hybrid construction ceramic ball bearing



bearing No	Boundary Dimsions（mm）				Mounting dimsions (mm)				mess	
					da	da	Da	ra	（kg）	(refer）
	d	D	B	r（min）	min	max	max	max	ZrO2	Si3N4
684C	4	9	2.5	0.1	4.8	/	8.2	0.1	0.0005	0.0003
694C		11	4	0.15	5.2	/	9.8	0.15	0.0013	0.0007
604C		12	4	0.2	5.6	/	10.4	0.2	0.0017	0.0009
624C		13	5	0.2	5.6	/	11.4	0.2	0.0023	0.0013
634C		16	5	0.3	6	/	14	0.3	0.004	0.0022
685C	5	11	3	0.15	6.2	/	9.8	0.15	0.0009	0.0005
695C		13	4	0.2	6.6	/	11.4	0.2	0.0019	0.001
605C		14	5	0.2	6.6	/	12.4	0.2	0.0027	0.0015
625C		16	5	0.3	7	/	14	0.3	0.0038	0.0021
635C		19	6	0.3	7	/	17	0.3	0.0066	0.0036
686C	6	13	3.5	0.15	7.2	/	11.8	0.15	0.0015	0.0008
696C		15	5	0.2	7.6	/	13.4	0.2	0.003	0.0016
606C		17	6	0.3	8	/	15	0.3	0.0046	0.0025
626C		19	6	0.3	8	/	17	0.3	0.0063	0.0034
636C		22	7	0.3	8	/	20	0.3	0.0108	0.0058
687C	7	14	3.5	0.15	8.2	/	12.8	0.15	0.0017	0.0009
697C		17	5	0.3	9	/	15	0.3	0.004	0.0022
607C		19	6	0.3	9	/	17	0.3	0.0059	0.0032
627C		22	7	0.3	9	/	20	0.3	0.0098	0.0053
637C		26	9	0.3	9	/	24	0.3	0.0185	0.01
688C	8	16	4	0.2	9.6	/	14.4	0.2	0.0025	0.0014
698C		19	6	0.3	10	/	17	0.3	0.0056	0.003
608C		22	7	0.3	10	/	20	0.3	0.0093	0.005
628C		24	8	0.3	10	/	22	0.3	0.013	0.0072
638C		28	9	0.3	10	/	26	0.3	0.022	0.012
689C	9	17	4	0.2	10.6	/	15.4	0.2	0.0027	0.0015
699C		20	6	0.3	11	/	18	0.3	0.0065	0.0035
609C		24	7	0.3	11	/	22	0.3	0.011	0.006
629C		26	8	0.3	11	/	24	0.3	0.015	0.0081
639C		30	10	0.6	13	/	26	0.6	0.028	0.015
6800C	10	19	5	0.3	12	12	17	0.3	0.004	0.0021
6900C		22	6	0.3	12	12.5	20	0.3	0.007	0.0038
6000C		26	8	0.3	12	13	24	0.3	0.014	0.0075
6200C		30	9	0.6	14	16	26	0.6	0.025	0.013
6300C		35	11	0.6	14	16.5	31	0.6	0.04	0.022
6801C	12	21	5	0.3	14	14	19	0.3	0.005	0.0025
6901C		24	6	0.3	14	14.5	22	0.3	0.008	0.0042
16001C		28	7	0.3	14	/	26	0.3	0.015	0.0079
6001C		28	8	0.3	14	15.5	26	0.3	0.017	0.0092
6201C		32	10	0.6	16	17	28	0.6	0.028	0.015
6301C		37	12	1	17	18	32	1	0.046	0.025

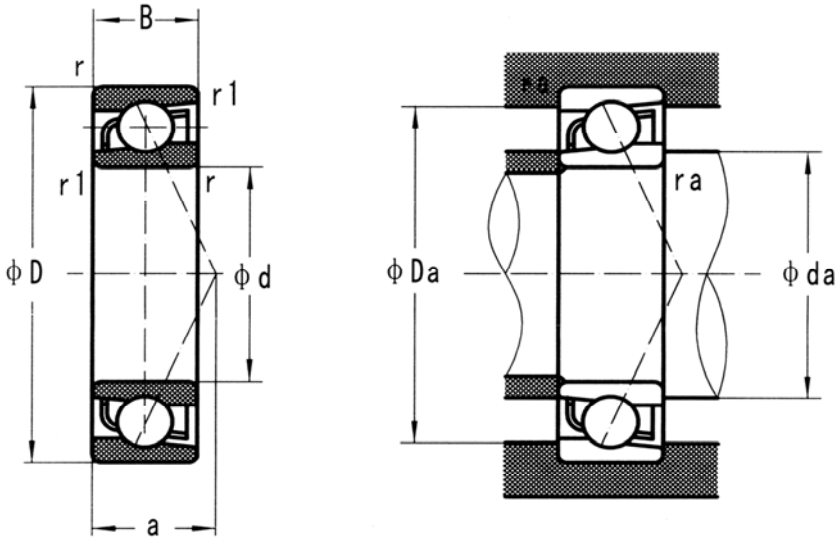
Single-row deep groove hybrid construction ceramic ball bearing

深沟球混合陶瓷球轴承尺寸表

bearing No	Boundary Dimsions（mm）				Mounting dimsions (mm)				mess	
					da	da	Da	ra	（kg）	(refer）
	d	D	B	r（min）	min	max	max	max	ZrO2	Si3N4
6802C	15	24	5	0.3	17	17	22	0.3	0.005	0.0029
6902C		28	7	0.3	17	17	26	0.3	0.012	0.0063
16002C		32	8	0.3	17	/	30	0.3	0.021	0.011
6002C		32	9	0.3	17	19	30	0.3	0.024	0.013
6202C		35	11	0.6	19	20.5	31	0.3	0.035	0.019
6302C		42	13	1	20	22.5	37	1	0.064	0.035
6803C	17	26	5	0.3	19	19	24	0.3	0.005	0.0029
6903C		30	7	0.3	19	19.5	28	0.3	0.013	0.0071
16003C		35	8	0.3	19	/	33	0.3	0.025	0.014
6003C		35	10	0.3	19	21.5	33	0.3	0.032	0.017
6203C		40	12	0.6	21	23.5	36	0.6	0.052	0.028
6303C		47	14	1	22	25.5	42	1	0.087	0.047
6403C		62	17	1.1	23.5	/	55.5	1	0.21	0.11
6804C	20	32	7	0.3	22	22.5	30	0.3	0.013	0.007
6904C		37	9	0.3	22	24	35	0.3	0.028	0.015
16004C		42	8	0.3	22	/	40	0.3	0.037	0.02
6004C		42	12	0.6	24	25.5	38	0.6	0.052	0.028
6204C		47	14	1	25	26.5	42	1	0.082	0.045
6304C		52	15	1.1	26.5	28	45.5	1	0.11	0.06
6404C		72	19	1.1	26.5	/	65.5	1	0.31	0.17
6805C	25	37	7	0.3	27	27	35	0.3	0.016	0.009
6905C		42	9	0.3	27	28.5	40	0.3	0.032	0.018
16005C		47	8	0.3	27	/	45	0.3	0.045	0.025
6005C		47	12	0.6	29	30	43	0.6	0.061	0.033
6205C		52	15	1	30	32	47	1	0.099	0.054
6305C		62	17	1.1	31.5	36	55.5	1	0.18	0.098
6405C		80	21	1.5	33	/	72	1.5	0.41	0.22
6806C	30	42	7	0.3	32	32	50	1	0.018	0.01
6906C		47	9	0.3	32	34	57	1	0.04	0.022
16006C		55	9	0.3	32	42.5	65.5	1	0.067	0.036
6006C		55	13	1	35	36.5	53	1	0.089	0.048
6206C		62	16	1	35	38.5	60	1	0.15	0.083
6306C		72	19	1.1	36.5	42.5	68.5	1	0.27	0.14
6406C		90	23	1.5	54	/	82	2	0.57	0.31
6807C	35	47	7	0.3	37	37	45	0.3	0.021	0.011
6907C		55	10	0.6	39	39	51	0.6	0.058	0.031
16007C		62	9	0.3	37	/	60	0.3	0.082	0.045
6007C		62	14	1	40	41.5	57	1	0.12	0.063
6207C		72	17	1.1	41.5	44.5	65.5	1	0.22	0.12
6307C		80	21	1.5	43	47	72	1.5	0.36	0.19
6407C		100	25	1.5	43	/	92	1.5	0.73	0.4
6808C	40	52	7	0.3	42	42	50	0.3	0.02	0.013
6908C		62	12	0.6	44	46	58	0.6	0.09	0.05
16008C		68	9	0.3	42	/	66	0.3	0.1	0.05
6008C		68	15	1	45	47.5	63	1	0.15	0.08
6208C		80	18	1.1	46.5	50.5	73.5	1	0.28	0.15
6308C		90	23	1.5	48	53	80	1.5	0.49	0.27
6408C		110	27	2	49	/	101	2	0.946	0.513

bearing No	Boundary Dimsions（mm）				Mounting dimsions (mm)				mess	
					da	da	Da	ra	（kg）	(refer）
	d	D	B	r（min）	min	max	max	max	ZrO2	Si3N4
6809C	45	58	7	0.3	47	47.5	56	0.3	0.029	0.016
6909C		68	12	0.6	49	50	64	0.6	0.097	0.053
16009C		75	10	0.6	49	/	71	0.6	0.13	0.07
6009C		75	16	1	50	53.5	70	1	0.19	0.1
6209C		85	19	1.1	51.5	55.5	78.5	1	0.32	0.175
6309C		100	25	1.5	53	61.5	92	1.5	0.64	0.345
6409C		120	29	2	54	/	111	2	1.18	0.64
6810C	50	65	7	0.3	52	52.5	63	0.3	0.038	0.021
6910C		72	12	0.6	54	55	68	0.6	0.1	0.06
16010C		80	10	0.6	54	/	76	0.6	0.13	0.07
6010C		80	16	1	55	58.5	75	1	0.2	0.11
6210C		90	20	1.1	56.5	60	83.2	1	0.35	0.19
6310C		110	27	2	59	68	101	2	0.82	0.44
6410C		130	31	2.1	61	/	119	2	1.45	0.78
6811C	55	72	9	0.3	57	59	70	0.3	0.06	0.03
6911C		80	13	1	60	61.5	75	1	0.15	0.08
16011C		90	11	0.6	59	/	86	0.6	0.2	0.11
6011C		90	18	1.1	61.5	64	83.5	1	0.29	0.16
6211C		100	21	1.5	63	66.5	92	1.5	0.48	0.26
6311C		120	29	2	64	72.5	111	2	1.05	0.57
6411C		140	33	2.1	66	/	129	2	1.76	0.95
6812C	60	78	10	0.3	62	64	76	0.3	0.08	0.04
6912C		85	13	1	65	66	80	1	0.15	0.08
16012C		95	11	0.6	64	/	91	0.6	0.22	0.12
6012C		95	18	1.1	66.5	69	88.5	1	0.32	0.17
6212C		110	22	1.5	68	74.5	102	1.5	0.6	0.33
6312C		130	31	2.1	71	79	119	2	1.32	0.72
6412C		150	35	2.1	71		139	2	2.13	1.15
6813C	65	85	10	0.6	69	69	81	0.6	0.1	0.05
6913C		90	13	1	70	71.5	85	1	0.17	0.09
16013C		100	11	0.6	69	/	96	0.6	0.23	0.13
6013C		100	18	1.1	71.5	73	93.5	1	0.34	0.18
6213C		120	23	1.5	73	80	112	1.5	0.77	0.42
6313C		140	33	2.1	76	85.5	129	2	1.62	0.88
6814C	70	90	10	0.6	74	74.5	86	0.6	0.1	0.056
6914C		100	16	1	75	77.5	95	1	0.27	0.15
16014C		110	13	0.6	74	/	106	0.6	0.34	0.18
6014C		110	20	1.1	76.5	80.5	103.5	1	0.47	0.25
6214C		125	24	1.5	78	84	117	1.5	0.84	0.45
6314C		150	35	2.1	81	92	139	2	1.98	1.07
6815C	75	95	10	0.6	79	79.5	91	0.6	0.11	0.06
6915C		105	16	1	80	82	100	1	0.28	0.15
16015C		115	13	0.6	79	/	111	0.6	0.36	0.19
6015C		115	20	1.1	81.5	85.5	108.5	1	0.5	0.27
6215C		130	25	1.5	83	90	122	1.5	0.92	0.5
6816C	80	100	10	0.6	84	84.5	96	0.6	0.12	0.063
6916C		110	16	1	85	87.5	105	1	0.3	0.16
16016C		125	14	0.6	84	/	121	0.6	0.48	0.26
6016C		125	22	1.1	86.5	91	118.5	1	0.67	0.36
6216C		140	26	2	89	95.5	131	2	1.09	0.59

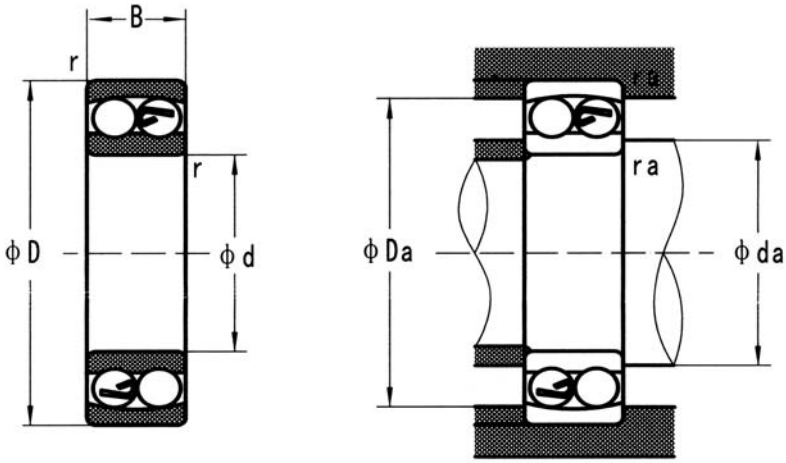
Hybrid construction ceramic ball bearing



Bearing No	boundary dimensions（mm）					mounting dimensions (mm)			mass	
						da	Da	ra	（kg）	(refer）
	d	D	B	r (min）	r1 (min）	min	max	max	ZrO2	Si3N4
7900C	10	22	6	0.3	0.15	12.5	19.5	0.3	0.007	0.0038
7000C		26	8	0.3	0.15	12.5	23.5	0.3	0.014	0.0075
7200C		30	9	0.6	0.3	15	25	0.6	0.025	0.013
7300C		35	11	0.6	0.3	15	30	0.6	0.04	0.022
7901C	12	24	6	0.3	0.15	14.5	21.5	0.3	0.008	0.0042
7001C		28	8	0.3	0.15	14.5	25.5	0.3	0.017	0.0092
7201C		32	10	0.6	0.3	17	27	0.6	0.028	0.015
7301C		37	12	1	0.6	18	31	1	0.046	0.025
7902C	15	28	7	0.3	0.15	17.5	25.5	0.3	0.012	0.0063
7002C		32	9	0.3	0.15	17.5	29.5	0.3	0.024	0.013
7202C		35	11	0.6	0.3	20	30	0.3	0.035	0.019
7302C		42	13	1	0.6	21	36	1	0.064	0.035
7903C	17	30	7	0.3	0.15	19.5	27.5	0.3	0.013	0.0071
7003C		35	10	0.3	0.15	19.5	32.5	0.3	0.032	0.017
7203C		40	12	0.6	0.3	22	35	0.6	0.052	0.028
7303C		47	14	1	0.6	23	41	1	0.087	0.047
7904C	20	37	9	0.3	0.15	22.5	34.5	0.3	0.028	0.015
7004C		42	12	0.6	0.3	25	37	0.6	0.052	0.028
7204C		47	14	1	0.6	26	41	1	0.082	0.045
7304C		52	15	1.1	0.6	27	45	1	0.11	0.06
7905C	25	42	9	0.3	0.15	27.5	39.5	0.3	0.032	0.018
7005C		47	12	0.6	0.3	30	42	0.6	0.061	0.033
7205C		52	15	1	0.6	31	46	1	0.099	0.054
7305C		62	17	1.1	0.6	32	55	1	0.18	0.098
7906C	30	47	9	0.3	0.15	32.5	44.5	1	0.04	0.022
7006C		55	13	1	0.6	36	49	1	0.089	0.048
7206C		62	16	1	0.6	36	56	1	0.15	0.083
7306C		72	19	1.1	0.6	37	65	1	0.27	0.14
7907C	35	55	10	0.6	0.3	40	50	0.6	0.058	0.031
7007C		62	14	1	0.6	41	56	1	0.12	0.063
7207C		72	17	1.1	0.6	42	65	1	0.22	0.12
7307C		80	21	1.5	1	44	71	1.5	0.36	0.19
7908C	40	62	12	0.6	0.3	45	57	0.6	0.09	0.05
7008C		68	15	1	0.6	46	62	1	0.15	0.08
7208C		80	18	1.1	0.6	47	73	1	0.28	0.15
7308C		90	23	1.5	1	49	81	1.5	0.49	0.27

Bearing No	boundary dimensions（mm）					mounting dimensions (mm)			mass	
						da	Da	ra	（kg）	(refer）
	d	D	B	r（min）	r1 (min）	min	max	max	ZrO2	Si3N4
7909C	45	68	12	0.6	0.3	50	63	0.6	0.097	0.053
7009C		75	16	1	0.6	51	69	1	0.19	0.1
7209C		85	19	1.1	0.6	52	78	1	0.32	0.175
7309C		100	25	1.5	1	54	91	1.5	0.64	0.345
7910C	50	72	12	0.6	0.3	55	67	0.6	0.1	0.06
7010C		80	16	1	0.6	56	74	1	0.2	0.11
7210C		90	20	1.1	0.6	57	83	1	0.35	0.19
7310C		110	27	2	1	60	100	2	0.82	0.44
7911C	55	80	13	1	0.6	61	74	1	0.15	0.08
7011C		90	18	1.1	0.6	62	83	1	0.29	0.16
7211C		100	21	1.5	1	64	91	1.5	0.48	0.26
7311C		120	29	2	1	65	110	2	1.05	0.57
7912C	60	85	13	1	0.6	66	79	1	0.15	0.08
7012C		95	18	1.1	0.6	67	88	1	0.32	0.17
7212C		110	22	1.5	1	69	101	1.5	0.6	0.33
7312C		130	31	2.1	1.1	72	118	2	1.32	0.72
7913C	65	90	13	1	0.6	71	84	1	0.17	0.09
7013C		100	18	1.1	0.6	72	93	1	0.34	0.18
7213C		120	23	1.5	1	74	111	1.5	0.77	0.42
7313C		140	33	2.1	1.1	77	128	2	1.62	0.88
7914C	70	100	16	1	0.6	76	94	1	0.27	0.15
7014C		110	20	1.1	0.6	77	103	1	0.47	0.25
7214C		125	24	1.5	1	79	116	1.5	0.84	0.45
7314C		150	35	2.1	1.1	82	138	2	1.98	1.07
7915C	75	105	16	1	0.6	81	99	1	0.28	0.15
7015C		115	20	1.1	0.6	82	108	1	0.5	0.27
7215C		130	25	1.5	1	84	121	1.5	0.92	0.5
7916C	80	110	16	1	0.6	86	104	1	0.3	0.16
7016C		125	22	1.1	0.6	87	118	1	0.67	0.36
7216C		140	26	2	1	90	130	2	1.09	0.59
7017C	85	130	22	1.1	0.6	92	123	1	0.71	0.38
7217C		150	28	2	1	95	140	2	1.35	0.73
7918C	90	125	18	1.1	0.6	97	118	1	0.45	0.24
7018C		140	24	1.5	1	99	131	1.5	0.92	0.5
7919C	95	130	18	1.1	0.6	102	123	1	0.46	0.25
7019C		145	24	1.5	1	104	136	1.5	0.95	0.51
7920C	100	140	20	1.1	0.6	107	133	1	0.64	0.35
7020C		150	24	1.5	1	109	141	1.5	0.99	0.54
7921C	105	145	20	1.1	0.6	112	138	1	0.66	0.36
7922C	110	150	20	1.1	0.6	117	143	1	0.69	0.37

Hybrid construction ceramic ball bearing



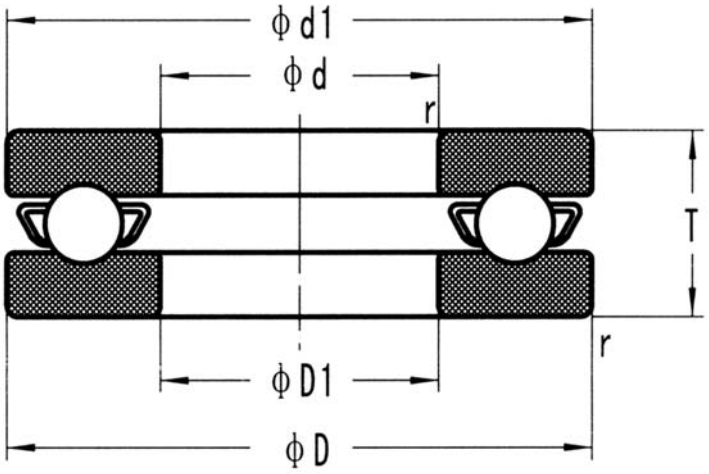
Bearing No	Boundary dimensions（mm）				Mounting dimensions (mm)			mass	
					da	Da	ra	（kg）	(refer）
	d	D	B	r (min）	min	max	max	ZrO2	Si3N4
135C	5	19	6	0.3	7	17	0.3	0.007	0.004
126C	6	19	6	0.3	8	17	0.3	0.007	0.004
127C	7	22	7	0.3	9	20	0.3	0.011	0.006
108C	8	22	7	0.3	10	20	0.3	0.011	0.006
129C	9	26	8	0.6	13	22	0.6	0.017	0.009
1200C	10	30	9	0.6	14	26	0.6	0.026	0.014
2200C		30	14	0.6	14	26	0.6	0.036	0.019
1300C		25	11	0.6	14	31	0.6	0.045	0.024
2300C		25	17	0.6	14	31	0.6	0.065	0.035
1201C	12	32	10	0.6	16	28	0.6	0.031	0.016
2201C		32	14	0.6	16	28	0.6	0.041	0.022
1301C		37	12	1	17	32	1	0.052	0.027
2301C		37	17	1	17	32	1	0.073	0.039
1202C	15	35	11	0.6	19	31	0.6	0.038	0.02
2202C		35	14	0.6	19	31	0.6	0.046	0.025
1302C		42	13	1	20	37	1	0.072	0.039
2302C		42	17	1	20	37	1	0.088	0.047
1203C	17	40	12	0.6	21	36	0.6	0.056	0.03
2203C		40	16	0.6	21	36	0.6	0.068	0.036
1303C		47	14	1	22	42	1	0.1	0.053
2303C		47	19	1	22	42	1	0.12	0.065
1204C	20	47	14	1	25	42	1	0.09	0.049
2204C		47	18	1	25	42	1	0.11	0.057
1304C		52	15	1.1	26.5	45.5	1	0.13	0.067
1304C		52	21	1.1	26.5	45.5	1	0.16	0.086
1205C	25	52	15	1	30	47	1	0.11	0.058
2205C		52	18	1	30	47	1	0.13	0.067
1305C		62	17	1.1	31.5	55.5	1	0.2	0.11
2305C		62	24	1.1	31.5	55.5	1	0.26	0.14
1206C	30	62	16	1	35	57	1	0.17	0.09
2206C		62	20	1	35	57	1	0.2	0.11
1306C		72	19	1.1	36.5	65.5	1	0.3	0.16
2306C		72	27	1.1	36.5	65.5	1	0.38	0.21
1207C	35	72	17	1.1	41.5	65.5	1	0.25	0.13
2207C		72	23	1.1	41.5	65.5	1	0.31	0.17
1307C		80	21	1.5	43	72	1.5	0.39	0.21
2307C		80	31	1.5	43	72	1.5	0.52	0.28

Bearing No	Boundary dimensions（mm）				Mounting dimensions (mm)			mass	
					da	Da	ra	（kg）	(refer）
	d	D	B	r (min）	min	max	max	ZrO2	Si3N4
1208C	40	80	18	1.1	46.5	73.5	1	0.32	0.17
2208C		80	23	1.1	46.5	73.5	1	0.39	0.21
1308C		90	23	1.5	48	82	1.5	0.55	0.29
2308C		90	33	1.5	48	82	1.5	0.71	0.38
1209C	45	85	19	1.1	51.5	78.5	1	0.36	0.19
2209C		85	23	1.1	51.5	78.5	1	0.42	0.22
1309C		100	25	1.5	53	92	1.5	0.74	0.39
2309C		100	36	1.5	53	92	1.5	0.95	0.5
1210C	50	90	20	1.1	56.5	83.5	1	0.4	0.22
2210C		90	23	1.1	56.5	83.5	1	0.45	0.24
1310C		110	27	2	59	101	2	0.93	0.5
2310C		110	40	2	59	101	2	1.26	0.67
1211C	55	100	21	1.5	63	92	1.5	0.54	0.29
2211C		100	25	1.5	63	92	1.5	0.62	0.33
1311C		120	29	2	64	111	2	1.22	0.65
2311C		120	43	2	64	111	2	1.62	0.86
1212C	60	110	22	1.5	68	102	1.5	0.69	0.37
2212C		110	28	1.5	68	102	1.5	0.84	0.45
1312C		130	31	2.1	71	119	2	1.51	0.8
2312C		130	46	2.1	71	119	2	2	1.07
1213C	65	120	23	1.5	73	112	1.5	0.88	0.47
2213C		120	31	1.5	73	112	1.5	1.12	0.6
1313C		140	33	2.1	76	129	2	1.88	1.01
2313C		140	48	2.1	76	129	2	2.48	1.33
1214C	70	125	24	1.5	78	117	1.5	0.97	0.52
2214C		125	31	1.5	78	117	1.5	1.17	0.62
1314C		150	35	2.1	81	139	2	2.3	1.23
2314C		150	51	2.1	81	139	2	3.25	1.74
1215C	75	130	25	1.5	83	122	1.5	1.05	0.56
2215C		130	31	1.5	83	122	1.5	1.25	0.66
1216C	80	140	26	2	89	131	2	1.28	0.69
2216C		140	33	2	89	131	2	1.55	0.82
1217C	85	150	28	2	94	141	2	1.59	0.85
2217C		150	36	2	94	141	2	1.94	1.03

Single direction thrust hybrid construction ceramic ball bearing

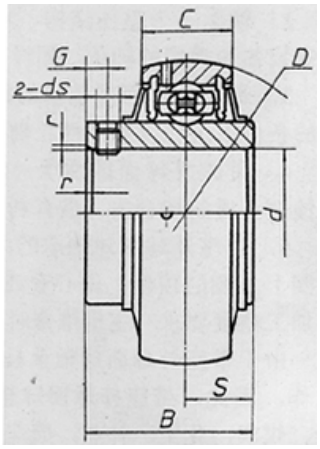
推力球混合陶瓷球轴承尺寸表

Hybrid construction ceramic ball bearing



Bearing No	Boundary dimensions（mm）				Mounting dimensions (mm)		mass	
					d1	D1	（kg）	(refer）
	d	D	T	r (min）	max	min	ZrO2	Si3N4
51100C	10	24	9	0.3	24	11	0.015	0.0078
51200C		26	11	0.6	26	12	0.022	0.011
51101C	12	26	9	0.3	26	13	0.016	0.009
51201C		28	11	0.6	28	14	0.024	0.013
51102C	15	28	9	0.3	28	16	0.018	0.0094
51202C		32	12	0.6	32	17	0.033	0.018
51103C	17	30	9	0.3	30	18	0.019	0.01
51203C		35	12	0.6	35	19	0.038	0.021
51104C	20	35	10	0.3	35	21	0.028	0.015
51204C		40	14	0.6	40	22	0.059	0.032
51105C	25	42	11	0.6	42	26	0.043	0.023
51205C		47	15	0.6	47	27	0.085	0.046
51106C	30	47	11	0.6	47	32	0.049	0.026
51206C		52	16	0.6	52	32	0.11	0.056
51107C	35	52	12	0.6	52	37	0.062	0.033
51207C		62	18	1	62	37	0.16	0.086
51108C	40	60	13	0.6	60	42	0.092	0.049
51208C		68	19	1	68	42	0.21	0.11
51109C	45	65	14	0.6	65	47	0.11	0.059
51209C		73	20	1	73	47	0.24	0.13
51110C	50	70	14	0.6	70	52	0.12	0.063
51210C		78	22	1	78	52	0.29	0.16
51111C	55	78	16	0.6	78	57	0.17	0.093
51211C		90	25	1	90	57	0.46	0.25
51112C	60	85	17	1	85	62	0.22	0.12
51212C		95	26	1	95	62	0.52	0.28
51113C	65	90	18	1	90	67	0.25	0.13
51213C		100	27	1	100	67	0.58	0.31
51114C	70	95	18	1	95	72	0.27	0.14
51214C		105	27	1	105	72	0.61	0.33
51115C	75	100	19	1	100	77	0.3	0.16
51215C		110	27	1	110	77	0.65	0.35
51116C	80	105	19	1	105	82	0.32	0.17
51216C		115	28	1	115	82	0.72	0.38
51117C	85	110	19	1	110	87	0.34	0.18
51217C		125	31	1	125	88	0.94	0.5
51118C	90	120	22	1	120	92	0.5	0.27
51218C		135	35	1.1	135	93	1.3	0.69
51120C	100	135	25	1	135	102	0.74	0.39
51220C		150	38	1.1	150	103	1.73	0.92

Hybrid construction ceramic ball bearing



Bearing No	Boundary Dimensions (mm)								Mass	
									（kg）	(refer）
	d	D	B	S	C	r/min	G	ds	ZrO2	Si3N4
UC201C	12	47	31	12.7	17	0.6	4.5	M6 x 1	0.16	0.09
UC202C	15	47	31	12.7	17	0.6	4.5	M6 x 1	0.15	0.08
UC203C	17	47	31	12.7	17	0.6	4.5	M6 x 1	0.14	0.07
UC204C	20	47	31	12.7	17	1	4.5	M6 x 1	0.12	0.07
UC205C	25	52	34.1	14.3	17V	1	5	M6 x 1	0.17	0.09
UC206C	30	62	38.1	15.9	19	1	5	M6 x 1	0.27	0.14
UC207C	35	72	42.9	17.5	20	1.1	6	M8 x 1	0.40	0.21
UC208C	40	80	49.2	19	21	1.1	8	M8 x 1	0.54	0.29
UC209C	45	85	49.2	19	22	1.1	8	M8 x 1	0.57	0.30
UC210C	50	90	51.6	19	24	1.1	9	M10 x 1	0.64	0.34
UC211C	55	100	55.6	22.2	25	1.5	9	M10 x 1	0.89	0.48
UC212C	60	110	65.1	25.4	27	1.5	10	M10 x 1	1.20	0.64
UC213C	65	120	65.1	25.4	27	1.5	10	M10 x 1	1.51	0.80
UC214C	70	125	74.6	30.2	29	1.5	12	M12 x 1.25	1.68	0.89
UC215C	75	130	77.8	33.3	30	1.5	12	M12 x 1.25	1.86	0.99
UC216C	80	140	82.6	33.3	33	2	14	M12 x 1.25	2.17	1.16
UC217C	85	150	85.7	34.1	36	2	14	M12 x 1.25	2.62	1.39
UC218C	90	160	96	39.7	37	2	14	M12 x 1.25	3.31	1.76
UC220C	100	180	108	42	41	2	14	M12 x 1.25	3.46	1.85

Pom/Plastic Bearing (precision plastic Bearings)

Material POM and PA have excellent mechanical strength and wearing resistance, is suitable for manufacturing precision plastic bearings. with good self-lubrication performance and low friction coefficients. In addition and high speed application. Plastic bearing made with POM is the most extensive sort of all the plastic bearings. Generally the inner and outer rings made with POM or PA, Cage made with PA and the balls made with glass, stainless or ceramic. These bearings could be used in some al kali environment but not proper to some acid environment.

Plastic Bearings Made With PVDF or PTFE （Anti-corrosion plastic bearings）

As the typical type of fiuoro plastic, PTFE and PVDF have the most excellent anti-corrosion per for mance,among them As the typical type of fluoroplastic, PTFE and PVDF have the most excellent anti-corrosion performance, among them PTFE is the best of all the plastic known to man, could be used in all the Strong Acid and Alkali application, including HF and smoke formation H2SO4 HNO3 or HCL(98%) above). etc. and could be used in high temperature application. PTTFE could be used to 180℃ and PVDF to 150℃. But PTFE has very low mechanical strength, easy to be out of shape and have large Dimension change when the temperature rise or reduce. So couldn't be used in heavy load and high-speed occasion, Compared with PTFE, PVDF. Has better compositive performance, Generaly the rings and cage made with PTFE or PVDF, Balls made with glass, ceramic or stainless.

HDPE/PP/UPE Plastic bearings(Anti-Acid and Anti-Alrali bearings)

HDPE,PP.UPE(UHMWPE)are approved can be used in faintish acid and alkali environment (30% CuCl2 solution and 30% NAOH solution is tested ok).Such bearings can operate in liquid and contamination sensitive environments as acid/alkali/salt/imprequant/oil/gas/seawater.have general performance of lubrication and maintenance free, none magnetism,anti-rust and eroded of plastic bearings.But these bearings have not strong mechanical strenth.and easy to be out of shape,so couldn't used in heavy load and high speed aplication.amony these 3 material,UPE more excellent strength and low friction and could be used to lower temperature(lowest to -150℃), Generally the rings and cage made with HDP.PP or UPE, balls made with glass stainless or ceramic

PEEK/PI Plastic Bearings (High temperature application plastic bearings)

As newly developing engineering plastic material, PEEK and PI have been approved have the strongest mechanical strength and could endure the highest temperature among all the plastic material. PEEK could work at 260℃ and PI at 300℃ in long-term. Moreover they have excellent.anti-corrosion performance could be used in strong acid and alkali environment. So generally they are used to manufacture bearings 5 to realize precision running in rigor environment. As the material is expensive, the costs are high. Generally the rings made with PEEK or PI. Cage with PTFE, PEEK or PI and ball with ZrO2 or Si3N4.

Plastic ball bearings for units and plastic ball bearing units.

The plastic ball bearing units specially have the performance of corrosion and wear resistance, reduce vibration and anti-bump, are free from the maintenance and so forth. Such is the most ideal solution of many difficult problem which have puzzled the industry field for hundreds years. Aim at working in different environment, the ball bearing for units made with POM, HDPE,PP, UPE, PTFE or PEEK material, housing of the bearing units generally made with PBT material.

精密塑料轴承

POM和PA材料具备良好的机械强度及耐磨性，适合制作比较精密的塑料轴承，其良好的自润滑性能及低的磨擦系数，在保持塑料轴承传统优势的基础上，可应用于精密及较高转速运转。其中POM塑料轴承是所有塑料轴承中应用最为广泛的一种，一般内外球材料采用POM或PA，保持架采用玻璃纤维增强的尼龙66（GRPA66—25）。滚珠为玻璃球，不锈钢球或陶瓷球，此种轴承碱性环境下表现良好但不适合在酸性腐蚀环境下运行。

耐腐蚀塑料轴承

作为氟塑料中最典型的品种，PTFE和PVDF是具有最优良的耐腐蚀性能，其中PTFE更是所有已知工程塑料中耐腐蚀性最好的，可用于所有的浓酸及浓碱场合，包括HF及发烟硫酸硝酸（98%以上）等，且具有良好的高温表现，PTFE证明可用于180℃的高温，PVDF也能用到150℃，但PTEF材料机械强度极低，且尺寸稳定性较差，温度变形大，相比较而言PVDF具有更佳的综合性能，一般内外圈材料选用PTFE或PVDF，保持架材料为PTFE或PVDF，滚珠一般为玻璃球或陶瓷球。

抗酸碱塑料轴承

HDPE、PP、UPE材料已证明能用于相对较弱的酸碱交叉环境（30%CuCl2溶液和30%NaoH溶液测试OK）故适用于大多数酸/碱/盐/溶济/油/气体及海水腐蚀环境。具备一般塑料轴承之无油自润滑，抗磁电绝缘等性能，但机械强度较低，容易变形，故不适用于较大负荷及较高转速，相比较而言，UPE材料具备更佳的强度，低磨擦特性及低温应用特性（最低可至－150℃），一般内外圈材料采用HDPE、PP或UPE，保持架材料采用HDPE、PP或UPE，滚珠为玻璃球、不锈钢球或陶瓷球。

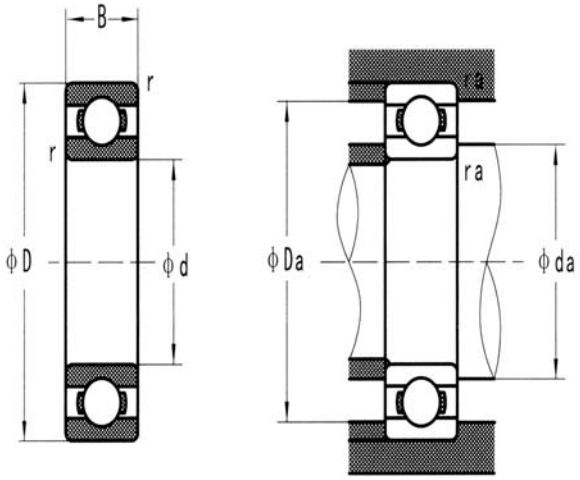
PEEK/PI塑料轴承(耐高温塑料轴承)

PEEK和PI作为新兴的工程塑料材料，被证明是所有已知工程塑料中机械强度尺寸稳定性及耐高温性能最好的，其中PEEK长期使用温度达260℃，PI长期使用温度更是高达300℃，且其具有优良的耐腐蚀性能，在中等强度的酸碱腐蚀环境仍可以运转自如，故一般用于制作需要在比较严酷环境中精密运转的轴承，其缺点是因材料本身比较昂贵，故使用成本较高，一般内外圈材料选用PEEK或PI，保持架材料为PTFE，PEEK或PI，滚珠一般为Zro2或Si3N4陶瓷球。

塑料轴承座及塑料外球面轴承

塑料带座轴承独具重量轻，安装简便，免于维护，同时具有常用铸铁座或冲压座所不具有减震抗冲击性能。随着新材料的不断开发正越来越多地在工程上得到广泛应用。针对不同情况，塑料外球面轴承可采用POM，HDPE，PP，UPE，PTFE等不同材料制作，塑料轴承座一般采用PBT材料。

Plastic Bearings Precision plastic bearing

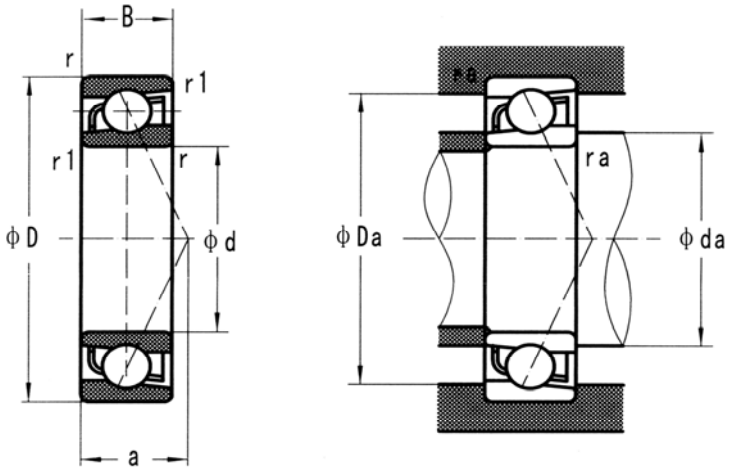


Bearing No	Boundary dimensions(mm)				Mounting dimensions(mm)				mass
					da	da	Da	ra	（kg)
	d	D	B	r（min）	min	max	max	max	(refer）
P684	4	9	2.5	0.1	4.8	/	8.2	0.1	0.0001
P694		11	4	0.15	5.2	/	9.8	0.15	0.0003
P604		12	4	0.2	5.6	/	10.4	0.2	0.0004
P624		13	5	0.2	5.6	/	11.4	0.2	0.0006
P634		16	5	0.3	6	/	14	0.3	0.001
P685	5	11	3	0.15	6.2	/	9.8	0.15	0.0002
P695		13	4	0.2	6.6	/	11.4	0.2	0.0005
P605		14	5	0.2	6.6	/	12.4	0.2	0.0007
P625		16	5	0.3	7	/	14	0.3	0.001
P635		19	6	0.3	7	/	17	0.3	0.0016
P686	6	13	3.5	0.15	7.2	/	11.8	0.15	0.0004
P696		15	5	0.2	7.6	/	13.4	0.2	0.0007
P606		17	6	0.3	8	/	15	0.3	0.0011
P626		19	6	0.3	8	/	17	0.3	0.0016
P636		22	7	0.3	8	/	20	0.3	0.0027
P687	7	14	3.5	0.15	8.2	/	12.8	0.15	0.0004
P697		17	5	0.3	9	/	15	0.3	0.001
P607		19	6	0.3	9	/	17	0.3	0.0015
P627		22	7	0.3	9	/	20	0.3	0.0024
P637		26	9	0.3	9	/	24	0.3	0.0046
P688	8	16	4	0.2	9.6	/	14.4	0.2	0.0006
P698		19	6	0.3	10	/	17	0.3	0.0014
P608		22	7	0.3	10	/	20	0.3	0.0023
P628		24	8	0.3	10	/	22	0.3	0.0033
P638		28	9	0.3	10	/	26	0.3	0.0054
P689	9	17	4	0.2	10.6	/	15.4	0.2	0.0007
P699		20	6	0.3	11	/	18	0.3	0.0016
P609		24	7	0.3	11	/	22	0.3	0.0028
P629		26	8	0.3	11	/	24	0.3	0.0038
P639		30	10	0.6	13	/	26	0.6	0.007
P6800	10	19	5	0.3	12	12	17	0.3	0.001
P6900		22	6	0.3	12	12.5	20	0.3	0.0017
P6000		26	8	0.3	12	13	24	0.3	0.0035
P6200		30	9	0.6	14	16	26	0.6	0.006
P6300		35	11	0.6	14	16.5	31	0.6	0.01
P6801	12	21	5	0.3	14	14	19	0.3	0.0012
P6901		24	6	0.3	14	14.5	22	0.3	0.0019
P16001		28	7	0.3	14	/	26	0.3	0.004
P6001		28	8	0.3	14	15.5	26	0.3	0.004
P6201		32	10	0.6	16	17	28	0.6	0.007
P6301		37	12	1	17	18	32	1	0.012

Bearing No	Boundary dimensions(mm)				Mounting dimensions(mm)				mass
					da	da	Da	ra	（kg）
	d	D	B	r（min）	min	max	max	max	(refer）
P6802	15	24	5	0.3	17	17	22	0.3	0.0013
P6902		28	7	0.3	17	17	26	0.3	0.003
P16002		32	8	0.3	17	/	30	0.3	0.005
P6002		32	9	0.3	17	19	30	0.3	0.006
P6202		35	11	0.6	19	20.5	31	0.3	0.009
P6302		42	13	1	20	22.5	37	1	0.016
P6803	17	26	5	0.3	19	19	24	0.3	0.0013
P6903		30	7	0.3	19	19.5	28	0.3	0.0033
P16003		35	8	0.3	19	/	33	0.3	0.006
P6003		35	10	0.3	19	21.5	33	0.3	0.008
P6203		40	12	0.6	21	23.5	36	0.6	0.013
P6303		47	14	1	22	25.5	42	1	0.022
P6403		62	17	1.1	23.5	/	55.5	1	0.052
P6804	20	32	7	0.3	22	22.5	30	0.3	0.003
P6904		37	9	0.3	22	24	35	0.3	0.007
P16004		42	8	0.3	22	/	40	0.3	0.009
P6004		42	12	0.6	24	25.5	38	0.6	0.013
P6204		47	14	1	25	26.5	42	1	0.021
P6304		52	15	1.1	26.5	28	45.5	1	0.028
P6404		72	19	1.1	26.5	/	65.5	1	0.08
P6805	25	37	7	0.3	27	27	35	0.3	0
P6905		42	9	0.3	27	28.5	40	0.3	0.01
P16005		47	8	0.3	27	/	45	0.3	0.011
P6005		47	12	0.6	29	30	43	0.6	0.015
P6205		52	15	1	30	32	47	1	0.025
P6305		62	17	1.1	31.5	36	55.5	1	0.045
P6405		80	21	1.5	33	/	72	1.5	0.102
P6806	30	42	7	0.3	32	32	50	1	0.005
P6906		47	9	0.3	32	34	57	1	0.01
P16006		55	9	0.3	32	42.5	65.5	1	0.017
P6006		55	13	1	35	36.5	53	1	0.022
P6206		62	16	1	35	38.5	60	1	0.038
P6306		72	19	1.1	36.5	42.5	68.5	1	0.066
P6406		90	23	1.5	54	/	82	2	0.14
P6807	35	47	7	0.3	37	37	45	0.3	0.005
P6907		55	10	0.6	39	39	51	0.6	0.014
P16007		62	9	0.3	37	/	60	0.3	0.021
P6007		62	14	1	40	41.5	57	1	0.029
P6207		72	17	1.1	41.5	44.5	65.5	1	0.055
P6307		80	21	1.5	43	47	72	1.5	0.089
P6407		100	25	1.5	43	/	92	1.5	0.18
P6808	40	52	7	0.3	42	42	50	0.3	0.006
P6908		62	12	0.6	44	46	58	0.6	0.022
P16008		68	9	0.3	42	/	66	0.3	0.025
P6008		68	15	1	45	47.5	63	1	0.037
P6208		80	18	1.1	46.5	50.5	73.5	1	0.07
P6308		90	23	1.5	48	53	80	1.5	0.12
P6408		110	27	2	49	/	101	2	0.24
P6809	45	58	7	0.3	47	47.5	56	0.3	0.007
P6909		68	12	0.6	49	50	64	0.6	0.024
P16009		75	10	0.6	49	/	71	0.6	0.032
P6009		75	16	1	50	53.5	70	1	0.046
P6209		85	19	1.1	51.5	55.5	78.5	1	0.081
P6309		100	25	1.5	53	61.5	92	1.5	0.16
P6409		120	29	2	54	/	111	2	0.29

Bearing No	Boundary dimensions(mm)				Mounting dimensions(mm)				mass
					da	da	Da	ra	（kg）
	d	D	B	r（min）	min	max	max	max	(refer）
P6810	50	65	7	0.3	52	52.5	63	0.3	0.01
P6910		72	12	0.6	54	55	68	0.6	0.026
P16010		80	10	0.6	54	/	76	0.6	0.034
P6010		80	16	1	55	58.5	75	1	0.05
P6210		90	20	1.1	56.5	60	83.2	1	0.088
P6310		110	27	2	59	68	101	2	0.2
P6410		130	31	2.1	61	/	119	2	0.36
P6811	55	72	9	0.3	57	59	70	0.3	0.016
P6911		80	13	1	60	61.5	75	1	0.036
P16011		90	11	0.6	59	/	86	0.6	0.049
P6011		90	18	1.1	61.5	64	83.5	1	0.073
P6211		100	21	1.5	63	66.5	92	1.5	0.12
P6311		120	29	2	64	72.5	111	2	0.26
P6411		140	33	2.1	66	/	129	2	0.44
P6812	60	78	10	0.3	62	64	76	0.3	0.02
P6912		85	13	1	65	66	80	1	0.037
P16012		95	11	0.6	64	/	91	0.6	0.054
P6012		95	18	1.1	66.5	69	88.5	1	0.079
P6212		110	22	1.5	68	74.5	102	1.5	0.15
P6312		130	31	2.1	71	79	119	2	0.33
P6412		150	35	2.1	71		139	2	0.53
P6813	65	85	10	0.6	69	69	81	0.6	0.025
P6913		90	13	1	70	71.5	85	1	0.04
P16013		100	11	0.6	69	/	96	0.6	0.06
P6013		100	18	1.1	71.5	73	93.5	1	0.08
P6213		120	23	1.5	73	80	112	1.5	0.19
P6313		140	33	2.1	76	85.5	129	2	0.41
P6814	70	90	10	0.6	74	74.5	86	0.6	0.03
P6914		100	16	1	75	77.5	95	1	0.07
P16014		110	13	0.6	74	/	106	0.6	0.08
P6014		110	20	1.1	76.5	80.5	103.5	1	0.12
P6214		125	24	1.5	78	84	117	1.5	0.21
P6314		150	35	2.1	81	92	139	2	0.49
P6815	75	95	10	0.6	79	79.5	91	0.6	0.029
P6915		105	16	1	80	82	100	1	0.07
P16015		115	13	0.6	79	/	111	0.6	0.089
P6015		115	20	1.1	81.5	85.5	108.5	1	0.12
P6215		130	25	1.5	83	90	122	1.5	0.23
P6816	80	100	10	0.6	84	84.5	96	0.6	0.03
P6916		110	16	1	85	87.5	105	1	0.075
P16016		125	14	0.6	84	/	121	0.6	0.12
P6016		125	22	1.1	86.5	91	118.5	1	0.17
P6216		140	26	2	89	95.5	131	2	0.27
P6817	85	110	13	1	90	90.5	105	1	0.051
P6917		120	18	1.1	91.5	94.5	113.5	1	0.11
P16017		130	14	0.6	89	/	126	0.6	0.13
P6017		130	22	1.1	91.5	96	123.5	1	0.18
P6217		150	28	2	94	102	141	2	0.34
P6818	90	115	13	1	95	95.5	110	1	0.05
P6918		125	18	1.1	96.5	98.5	118.5	1	0.11
P16018		140	16	1	95	/	135	1	0.17
P6018		140	24	1.5	98	103	132	1.5	0.23

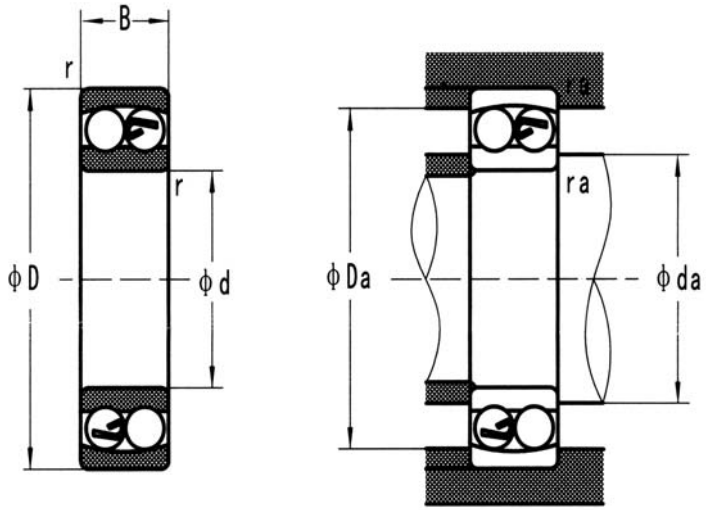
Precision plastic bearing



Bearing No.	Boundary dimensions(mm)					Mounting dimensions(mm)			Mass
				R	R1	da	Da	ra	（kg)(refer）
	d	D	B	(min）	r1 (min）	min	max	max	
P7900	10	22	6	0.3	0.15	12.5	19.5	0.3	0.001
P7000		26	8	0.3	0.15	12.5	23.5	0.3	0.003
P7200		30	9	0.6	0.3	15	25	0.6	0.004
P7300		35	11	0.6	0.3	15	30	0.6	0.007
P7901	12	24	6	0.3	0.15	14.5	21.5	0.3	0.001
P7001		28	8	0.3	0.15	14.5	25.5	0.3	0.003
P7201		32	10	0.6	0.3	17	27	0.6	0.005
P7301		37	12	1	0.6	18	31	1	0.008
P7902	15	28	7	0.3	0.15	17.5	25.5	0.3	0.002
P7002		32	9	0.3	0.15	17.5	29.5	0.3	0.004
P7202		35	11	0.6	0.3	20	30	0.3	0.006
P7302		42	13	1	0.6	21	36	1	0.011
P7903	17	30	7	0.3	0.15	19.5	27.5	0.3	0.002
P7003		35	10	0.3	0.15	19.5	32.5	0.3	0.006
P7203		40	12	0.6	0.3	22	35	0.6	0.009
P7303		47	14	1	0.6	23	41	1	0.016
P7904	20	37	9	0.3	0.15	22.5	34.5	0.3	0.005
P7004		42	12	0.6	0.3	25	37	0.6	0.009
P7204		47	14	1	0.6	26	41	1	0.015
P7304		52	15	1.1	0.6	27	45	1	0.02
P7905	25	42	9	0.3	0.15	27.5	39.5	0.3	0.006
P7005		47	12	0.6	0.3	30	42	0.6	0.011
P7205		52	15	1	0.6	31	46	1	0.018
P7305		62	17	1.1	0.6	32	55	1	0.032
P7906	30	47	9	0.3	0.15	32.5	44.5	1	0.007
P7006		55	13	1	0.6	36	49	1	0.016
P7206		62	16	1	0.6	36	56	1	0.027
P7306		72	19	1.1	0.6	37	65	1	0.048
P7907	35	55	10	0.6	0.3	40	50	0.6	0.01
P7007		62	14	1	0.6	41	56	1	0.022
P7207		72	17	1.1	0.6	42	65	1	0.039
P7307		80	21	1.5	1	44	71	1.5	0.065
P7908	40	62	12	0.6	0.3	45	57	0.6	0.016
P7008		68	15	1	0.6	46	62	1	0.027
P7208		80	18	1.1	0.6	47	73	1	0.05
P7308		90	23	1.5	1	49	81	1.5	0.088

Bearing No.	Boundary dimensions(mm)					Mounting dimensions(mm)			Mass
				R	R1	da	Da	ra	（kg)(refer）
	d	D	B	(min）	r1 (min）	min	max	max	
P7909	45	68	12	0.6	0.3	50	63	0.6	0.017
P7009		75	16	1	0.6	51	69	1	0.034
P7209		85	19	1.1	0.6	52	78	1	0.057
P7309		100	25	1.5	1	54	91	1.5	0.115
P7910	50	72	12	0.6	0.3	55	67	0.6	0.018
P7010		80	16	1	0.6	56	74	1	0.036
P7210		90	20	1.1	0.6	57	83	1	0.063
P7310		110	27	2	1	60	100	2	0.147
P7911	55	80	13	1	0.6	61	74	1	0.027
P7011		90	18	1.1	0.6	62	83	1	0.052
P7211		100	21	1.5	1	64	91	1.5	0.086
P7311		120	29	2	1	65	110	2	0.188
P7912	60	85	13	1	0.6	66	79	1	0.027
P7012		95	18	1.1	0.6	67	88	1	0.057
P7212		110	22	1.5	1	69	101	1.5	0.108
P7312		130	31	2.1	1.1	72	118	2	0.237
P7913	65	90	13	1	0.6	71	84	1	0.031
P7013		100	18	1.1	0.6	72	93	1	0.061
P7213		120	23	1.5	1	74	111	1.5	0.138
P7313		140	33	2.1	1.1	77	128	2	0.291
P7914	70	100	16	1	0.6	76	94	1	0.048
P7014		110	20	1.1	0.6	77	103	1	0.084
P7214		125	24	1.5	1	79	116	1.5	0.151
P7314		150	35	2.1	1.1	82	138	2	0.355
P7915	75	105	16	1	0.6	81	99	1	0.05
P7015		115	20	1.1	0.6	82	108	1	0.09
P7215		130	25	1.5	1	84	121	1.5	0.165
P7916	80	110	16	1	0.6	86	104	1	0.054
P7016		125	22	1.1	0.6	87	118	1	0.12
P7216		140	26	2	1	90	130	2	0.196
P7017	85	130	22	1.1	0.6	92	123	1	0.127
P7217		150	28	2	1	95	140	2	0.242
P7918	90	125	18	1.1	0.6	97	118	1	0.081
P7018		140	24	1.5	1	99	131	1.5	0.165
P7919	95	130	18	1.1	0.6	102	123	1	0.083
P7019		145	24	1.5	1	104	136	1.5	0.171
P7920	100	140	20	1.1	0.6	107	133	1	0.115
P7020		150	24	1.5	1	109	141	1.5	0.178
P7921	105	145	20	1.1	0.6	112	138	1	0.118
P7922	110	150	20	1.1	0.6	117	143	1	0.124

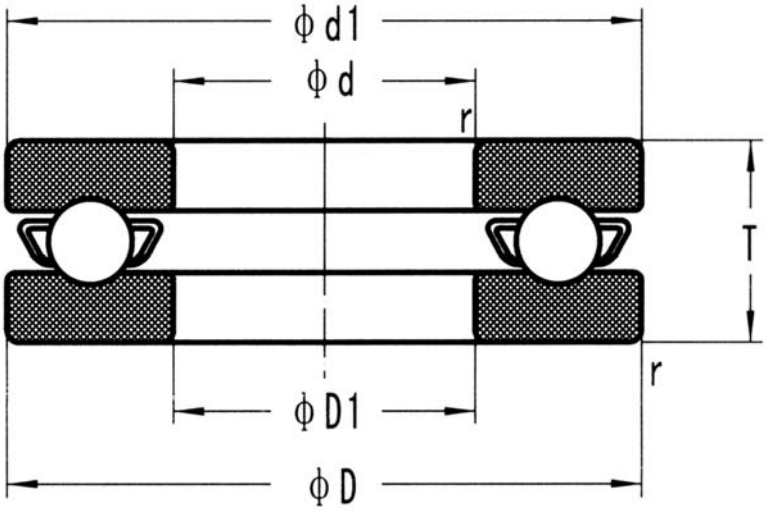
Precision plastic bearing



Bearing No	Boundary dimensions（mm）				Mounting dimensions (mm)			Mass
					da	Da	ra	（kg） (refer）
	d	D	B	r min）	min	max	max	
P135	5	19	6	0.3	7	17	0.3	0.001633
P126	6	19	6	0.3	8	17	0.3	0.001633
P127	7	22	7	0.3	9	20	0.3	0.002567
P108	8	22	7	0.3	10	20	0.3	0.002567
P129	9	26	8	0.6	13	22	0.6	0.003967
P1200	10	30	9	0.6	14	26	0.6	0.006067
P2200		30	14	0.6	14	26	0.6	0.0084
P1300		25	11	0.6	14	31	0.6	0.0105
P2300		25	17	0.6	14	31	0.6	0.015167
P1201	12	32	10	0.6	16	28	0.6	0.007233
P2201		32	14	0.6	16	28	0.6	0.009567
P1301		37	12	1	17	32	1	0.012133
P2301		37	17	1	17	32	1	0.017033
P1202	15	35	11	0.6	19	31	0.6	0.008867
P2202		35	14	0.6	19	31	0.6	0.010733
P1302		42	13	1	20	37	1	0.0168
P2302		42	17	1	20	37	1	0.020533
P1203	17	40	12	0.6	21	36	0.6	0.013067
P2203		40	16	0.6	21	36	0.6	0.015867
P1303		47	14	1	22	42	1	0.023333
P2303		47	19	1	22	42	1	0.028
P1204	20	47	14	1	25	42	1	0.021
P2204		47	18	1	25	42	1	0.025667
P1304		52	15	1.1	26.5	45.5	1	0.030333
P1304		52	21	1.1	26.5	45.5	1	0.037333
P1205	25	52	15	1	30	47	1	0.025667
P2205		52	18	1	30	47	1	0.030333
P1305		62	17	1.1	31.5	55.5	1	0.046667
P2305		62	24	1.1	31.5	55.5	1	0.060667
P1206	30	62	16	1	35	57	1	0.039667
P2206		62	20	1	35	57	1	0.046667
P1306		72	19	1.1	36.5	65.5	1	0.07
P2306		72	27	1.1	36.5	65.5	1	0.088667
P1207	35	72	17	1.1	41.5	65.5	1	0.058333
P2207		72	23	1.1	41.5	65.5	1	0.072333
P1307		80	21	1.5	43	72	1.5	0.091
P2307		80	31	1.5	43	72	1.5	0.121333

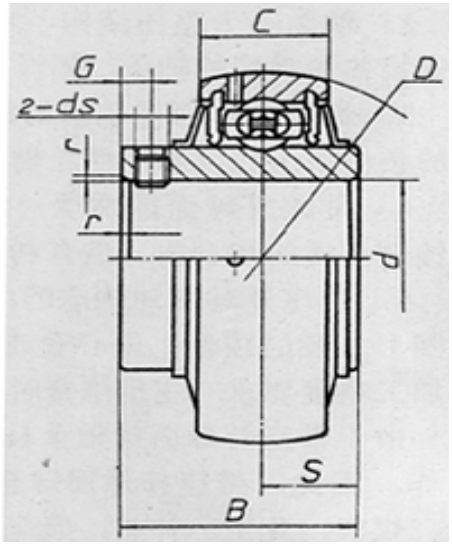
Bearing No	Boundary dimensions（mm）				Mounting dimensions (mm)			Mass
					da	Da	ra	（kg） (refer）
	d	D	B	r min）	min	max	max	
P1208	40	80	18	1.1	46.5	73.5	1	0.074667
P2208		80	23	1.1	46.5	73.5	1	0.091
P1308		90	23	1.5	48	82	1.5	0.128333
P2308		90	33	1.5	48	82	1.5	0.165667
P1209	45	85	19	1.1	51.5	78.5	1	0.084
P2209		85	23	1.1	51.5	78.5	1	0.098
P1309		100	25	1.5	53	92	1.5	0.172667
P2309		100	36	1.5	53	92	1.5	0.221667
P1210	50	90	20	1.1	56.5	83.5	1	0.093333
P2210		90	23	1.1	56.5	83.5	1	0.105
P1310		110	27	2	59	101	2	0.217
P2310		110	40	2	59	101	2	0.294
P1211	55	100	21	1.5	63	92	1.5	0.126
P2211		100	25	1.5	63	92	1.5	0.144667
P1311		120	29	2	64	111	2	0.284667
P2311		120	43	2	64	111	2	0.378
P1212	60	110	22	1.5	68	102	1.5	0.161
P2212		110	28	1.5	68	102	1.5	0.196
P1312		130	31	2.1	71	119	2	0.352333
P2312		130	46	2.1	71	119	2	0.466667
P1213	65	120	23	1.5	73	112	1.5	0.205333
P2213		120	31	1.5	73	112	1.5	0.261333
P1313		140	33	2.1	76	129	2	0.438667
P2313		140	48	2.1	76	129	2	0.578667
P1214	70	125	24	1.5	78	117	1.5	0.226333
P2214		125	31	1.5	78	117	1.5	0.273
P1314		150	35	2.1	81	139	2	0.536667
P2314		150	51	2.1	81	139	2	0.758333
P1215	75	130	25	1.5	83	122	1.5	0.245
P2215		130	31	1.5	83	122	1.5	0.291667
P1216	80	140	26	2	89	131	2	0.298667
P2216		140	33	2	89	131	2	0.361667
P1217	85	150	28	2	94	141	2	0.371
P2217		150	36	2	94	141	2	0.452667

Single direction thrust Plastic ball bearings Precision plastic bearing



Bearing No	Boundary dimensions（mm）				Mounting dimensions (mm)		mass
					d1	D1	（kg） (refer）
	d	D	T	r（min）	max	min	
P51100	10	24	9	0.3	24	11	0.004
P51200		26	11	0.6	26	12	0.005
P51101	12	26	9	0.3	26	13	0.004
P51201		28	11	0.6	28	14	0.006
P51102	15	28	9	0.3	28	16	0.004
P51202		32	12	0.6	32	17	0.008
P51103	17	30	9	0.3	30	18	0.004
P51203		35	12	0.6	35	19	0.009
P51104	20	35	10	0.3	35	21	0.007
P51204		40	14	0.6	40	22	0.014
P51105	25	42	11	0.6	42	26	0.01
P51205		47	15	0.6	47	27	0.02
P51106	30	47	11	0.6	47	32	0.011
P51206		52	16	0.6	52	32	0.026
P51107	35	52	12	0.6	52	37	0.014
P51207		62	18	1	62	37	0.037
P51108	40	60	13	0.6	60	42	0.021
P51208		68	19	1	68	42	0.049
P51109	45	65	14	0.6	65	47	0.026
P51209		73	20	1	73	47	0.056
P51110	50	70	14	0.6	70	52	0.028
P51210		78	22	1	78	52	0.068
P51111	55	78	16	0.6	78	57	0.04
P51211		90	25	1	90	57	0.107
P51112	60	85	17	1	85	62	0.051
P51212		95	26	1	95	62	0.121
P51113	65	90	18	1	90	67	0.058
P51213		100	27	1	100	67	0.135
P51114	70	95	18	1	95	72	0.063
P51214		105	27	1	105	72	0.142
P51115	75	100	19	1	100	77	0.07
P51215		110	27	1	110	77	0.152
P51116	80	105	19	1	105	82	0.075
P51216		115	28	1	115	82	0.168
P51117	85	110	19	1	110	87	0.079
P51217		125	31	1	125	88	0.219

insert bearings Precision plastic bearing



Bearing No	Boundary dimensions (mm)								Mass	
	d	D	B	S	C	r/min	G	ds	（kg）	(refer）
PUC201	12	47	31	12.7	17	0.6	4.5	M6 x 1	0.16	0.09
PUC202	15	47	31	12.7	17	0.6	4.5	M6 x 1	0.15	0.08
PUC203	17	47	31	12.7	17	0.6	4.5	M6 x 1	0.14	0.07
PUC204	20	47	31	12.7	17	1	4.5	M6 x 1	0.12	0.07
PUC205	25	52	34.1	14.3	17V	1	5	M6 x 1	0.17	0.09
PUC206	30	62	38.1	15.9	19	1	5	M6 x 1	0.27	0.14
PUC207	35	72	42.9	17.5	20	1.1	6	M8 x 1	0.40	0.21
PUC208	40	80	49.2	19	21	1.1	8	M8 x 1	0.54	0.29
PUC209	45	85	49.2	19	22	1.1	8	M8 x 1	0.57	0.30
PUC210	50	90	51.6	19	24	1.1	9	M10 x 1	0.64	0.34
PUC211	55	100	55.6	22.2	25	1.5	9	M10 x 1	0.89	0.48
PUC212	60	110	65.1	25.4	27	1.5	10	M10 x 1	1.20	0.64
PUC213	65	120	65.1	25.4	27	1.5	10	M10 x 1	1.51	0.80
PUC214	70	125	74.6	30.2	29	1.5	12	M12 x 1.25	1.68	0.89
PUC215	75	130	77.8	33.3	30	1.5	12	M12 x 1.25	1.86	0.99
PUC216	80	140	82.6	33.3	33	2	14	M12 x 1.25	2.17	1.16
PUC217	85	150	85.7	34.1	36	2	14	M12 x 1.25	2.62	1.39
PUC218	90	160	96	39.7	37	2	14	M12 x 1.25	3.31	1.76
PUC220	100	180	108	42	41	2	14	M12 x 1.25	3.46	1.85

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