

With excellent performance, zirconia ceramic ball bearings have electrical and magnetism resistance, wear and corrosion resistance, lubrication and maintenance free. It could work in awful environment while the ordinary bearings are not qualified. And also its cost is much lower than that of silicon nitride ceramic ball bearings. They are widely used in the areas of aviation, aerospace, marine, petroleum, chemical, automotive, electronics, metallurgy, electric power, textile, medical equipment and other applications.

Rings:

The inner and outer rings are made by zirconia ceramic;

Balls:

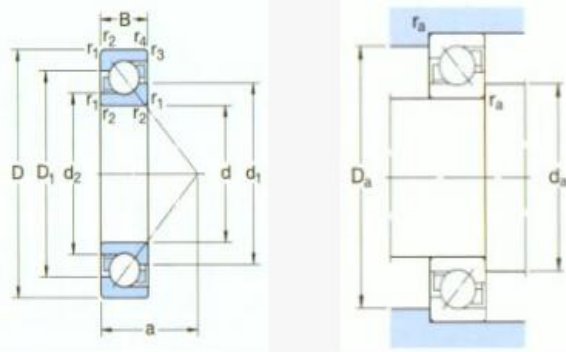
The balls are made of zirconia ceramic;

Cages:

The retainers are made by PTFE/PEEK;

Seals: The seals are made by PTFE/PEEK;

Ceraic Ball Bearing: Angular Contact Ball Bearing



Motion(shanghai)Industrial Development Co.,Ltd

Part No.	Dimensions (mm)					Mounting Dimensions(mm)			Weight	
	d	D	B	r(min)	r1(min)	da	Da	ra	(kg)(ref.)	
						min	max	max	ZrO2	Si3N4
7900CE	10	22	6	0.3	0.15	12.5	19.5	0.3	0.007	0.0038
7000CE	10	26	8	0.3	0.15	12.5	23.5	0.3	0.014	0.0075
7200CE	10	30	9	0.6	0.3	15	25	0.6	0.025	0.013
7300CE	10	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	12	28	8	0.3	0.15	14.5	25.5	0.3	0.017	0.0092
7201CE	12	32	10	0.6	0.3	17	27	0.6	0.028	0.015
7301CE	12	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	15	32	9	0.3	0.15	17.5	29.5	0.3	0.024	0.013
7202CE	15	35	11	0.6	0.3	20	30	0.3	0.035	0.019
7302CE	15	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	17	35	10	0.3	0.15	19.5	32.5	0.3	0.032	0.017
7203CE	17	40	12	0.6	0.3	22	35	0.6	0.052	0.028
7303CE	17	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	20	42	12	0.6	0.3	25	37	0.6	0.052	0.028
7204CE	20	47	14	1	0.6	26	41	1	0.082	0.045
7304CE	20	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	25	47	12	0.6	0.3	30	42	0.6	0.061	0.033
7205CE	25	52	15	1	0.6	31	46	1	0.099	0.054
7305CE	25	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	30	55	13	1	0.6	36	49	1	0.089	0.048
7206CE	30	62	16	1	0.6	36	56	1	0.15	0.083
7306CE	30	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	35	62	14	1	0.6	41	56	1	0.12	0.063
7207CE	35	72	17	1.1	0.6	42	65	1	0.22	0.12
7307CE	35	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	40	68	15	1	0.6	46	62	1	0.15	0.08
7208CE	40	80	18	1.1	0.6	47	73	1	0.28	0.15
7308CE	40	90	23	1.5	1	49	81	1.5	0.49	0.27
7909CE	45	68	12	0.6	0.3	50	63	0.6	0.097	0.053
7009CE	45	75	16	1	0.6	51	69	1	0.19	0.1
7209CE	45	85	19	1.1	0.6	52	78	1	0.32	0.175
7309CE	45	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	50	80	16	1	0.6	56	74	1	0.2	0.11
7210CE	50	90	20	1.1	0.6	57	83	1	0.35	0.19
7310CE	50	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	55	90	18	1.1	0.6	62	83	1	0.29	0.16
7211CE	55	100	21	1.5	1	64	91	1.5	0.48	0.26
7311CE	55	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	60	95	18	1.1	0.6	67	88	1	0.32	0.17
7212CE	60	110	22	1.5	1	69	101	1.5	0.6	0.33
7312CE	60	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	65	100	18	1.1	0.6	72	93	1	0.34	0.18
7213CE	65	120	23	1.5	1	74	111	1.5	0.77	0.42
7313CE	65	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	70	110	20	1.1	0.6	77	103	1	0.47	0.25
7214CE	70	125	24	1.5	1	79	116	1.5	0.84	0.45
7314CE	70	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	75	115	20	1.1	0.6	82	108	1	0.5	0.27
7215CE	75	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	80	125	22	1.1	0.6	87	118	1	0.67	0.36
7216CE	80	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	85	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	90	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	95	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	100	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

www.motnbearing.com