

Metric Ceramic Zirconia - ZrO₂

Ceramic zirconia bearings for radial loads and moderate thrust loads in both directions.

These bearings are supplied with zirconia rings and balls. Both types are available as full complement or with cages made from PEEK, PTFE or 316 stainless steel. The bearings listed below are open or have PEEK seals but they can also be supplied with PTFE seals. Some sizes are also available with a flange on the outer ring.



ZIRCONIA

Dimensions in mm

Bore	O.D.	Width	Open Bearing	Sealed Bearing	Max Load (kgf)		Rpm (x1000)
			SMB	SMB	Dyn	Stat	
3	8	3	693 CEZR		40	13	13.0
	8	4		693 CEZR-PKS	40	13	13.0
	9	3	603 CEZR	603 CEZR-PKS	43	14	13.0
	10	4	623 CEZR	623 CEZR-PKS	44	15	12.0
4	9	2.5	684 CEZR		38	12	12.0
	9	4		684 CEZR-PKS	38	12	12.0
	11	4	694 CEZR	694 CEZR-PKS	72	26	11.0
	12	4	604 CEZR	604 CEZR-PKS	72	25	11.0
	13	5	624 CEZR	624 CEZR-PKS	95	34	10.0
	16	5	634 CEZR	634 CEZR-PKS	100	39	8.0
5	11	3	685 CEZR		53	21	11.0
	11	5		685 CEZR-PKS	53	21	11.0
	13	4	695 CEZR	695 CEZR-PKS	76	30	10.0
	14	5	605 CEZR	605 CEZR-PKS	95	36	10.0
	16	5	625 CEZR	625 CEZR-PKS	121	48	9.0
	19	6	635 CEZR	635 CEZR-PKS	177	67	8.0
6	13	3.5	686 CEZR		76	33	10.0
	13	5		686 CEZR-PKS	76	33	10.0
	15	5	696 CEZR	696 CEZR-PKS	101	39	9.0
	19	6	626 CEZR	626 CEZR-PKS	175	77	8.0
	22	7	636 CEZR	636 CEZR-PKS	149	105	7.0

Bore	O.D.	Width	Open Bearing	Sealed Bearing	Max Load (kgf)		Rpm
					Dyn	Stat	(x1000)
7	14	3.5	687 CEZR		90	38	10.0
	14	5		687 CEZR-PKS	90	38	10.0
	17	5	697 CEZR	697 CEZR-PKS	120	55	9.0
	19	6	607 CEZR	607 CEZR-PKS	177	67	9.0
	22	7	627 CEZR	627 CEZR-PKS	254	106	7.0
	26	9	637 CEZR	637 CEZR-PKS	351	174	6.5
8	16	4	688 CEZR		94	44	9.0
	16	5		688 CEZR-PKS2	94	44	9.0
	19	6	698 CEZR	698 CEZR-PKS2	166	69	9.0
	22	7	608 CEZR	608 CEZR-PKS2	253	104	8.0
	24	8	628 CEZR	628 CEZR-PKS2	261	107	7.0
	28	9	638 CEZR	638 CEZR-PKS2	338	147	6.5
9	17	4	689 CEZR		101	51	9.0
	17	5		689 CEZR-PKS2	101	51	9.0
	20	6	699 CEZR	699 CEZR-PKS2	184	82	8.0
	24	7	609 CEZR	609 CEZR-PKS2	254	89	8.0
	26	8	629 CEZR	629 CEZR-PKS2	343	149	7.0
	30	10	639 CEZR	639 CEZR-PKS2	351	153	6.0
10	15	3	6700 CEZR		61	33	4.5
	15	4		6700 CEZR-PKS2	61	33	4.5
	19	5	6800 CEZR	6800 CEZR-PKS2	138	62	8.8
	22	6	6900 CEZR	6900 CEZR-PKS2	202	96	8.2
	26	8	6000 CEZR	6000 CEZR-PKS2	348	149	7.0
	30	9	6200 CEZR	6200 CEZR-PKS2	392	182	6.0
	35	11	6300 CEZR	6300 CEZR-PKS2	618	263	5.5
12	18	4	6701 CEZR	6701 CEZR-PKS2	69	39	3.0
	21	5	6801 CEZR	6801 CEZR-PKS2	143	76	8.0
	24	6	6901 CEZR	6901 CEZR-PKS2	215	110	7.2
	28	8	6001 CEZR	6001 CEZR-PKS2	391	183	6.4
	32	10	6201 CEZR	6201 CEZR-PKS2	519	249	5.4
	37	12	6301 CEZR	6301 CEZR-PKS2	742	321	5.0
15	21	4	6702 CEZR	6702 CEZR-PKS2	71	44	2.6
	24	5	6802 CEZR	6802 CEZR-PKS2	153	94	6.6
	28	7	6902 CEZR	6902 CEZR-PKS2	321	167	6.2
	32	9	6002 CEZR	6002 CEZR-PKS2	446	216	5.5
	35	11	6202 CEZR	6202 CEZR-PKS2	583	287	4.8
	42	13	6302 CEZR	6302 CEZR-PKS2	874	419	4.0

Bore	O.D.	Width	Open Bearing	Sealed Bearing	Max Load (kgf)		Rpm
					Dyn	Stat	(x1000)
17	23	4	6703 CEZR	6703 CEZR-PKS2	75	49	2.1
	26	5	6803 CEZR	6803 CEZR-PKS2	164	108	6.0
	30	7	6903 CEZR	6903 CEZR-PKS2	340	192	5.6
	35	10	6003 CEZR	6003 CEZR-PKS2	458	251	5.0
	40	12	6203 CEZR	6203 CEZR-PKS2	732	368	4.2
	47	14	6303 CEZR	6303 CEZR-PKS2	1039	510	3.6
20	27	4	6704 CEZR	6704 CEZR-PKS2	77	54	2.0
	32	7	6804 CEZR	6804 CEZR-PKS2	299	183	4.8
	37	9	6904 CEZR	6904 CEZR-PKS2	464	273	4.6
	42	12	6004 CEZR	6004 CEZR-PKS2	717	388	4.2
	47	14	6204 CEZR	6204 CEZR-PKS2	982	513	3.4
	52	15	6304 CEZR	6304 CEZR-PKS2	1214	604	2.8
25	32	4	6705 CEZR	6705 CEZR-PKS2	79	61	1.6
	37	7	6805 CEZR	6805 CEZR-PKS2	320	217	4.0
	42	9	6905 CEZR	6905 CEZR-PKS2	517	335	3.6
	47	12	6005 CEZR	6005 CEZR-PKS2	770	448	3.4
	52	15	6205 CEZR	6205 CEZR-PKS2	1072	603	3.0
	62	17	6305 CEZR	6305 CEZR-PKS2	1575	867	2.6
30	37	4	6706 CEZR	6706 CEZR-PKS2	85	71	1.4
	42	7	6806 CEZR	6806 CEZR-PKS2	341	254	3.6
	47	9	6906 CEZR	6906 CEZR-PKS2	540	374	3.4
	55	13	6006 CEZR	6006 CEZR-PKS2	1011	632	3.0
	62	16	6206 CEZR	6206 CEZR-PKS2	1488	869	2.6
	72	19	6306 CEZR	6306 CEZR-PKS2	2037	1155	2.4
35	44	5	6707 CEZR	6707 CEZR-PKS2	137	122	1.2
	47	7	6807 CEZR	6807 CEZR-PKS2	352	286	3.2
	55	10	6907 CEZR	6907 CEZR-PKS2	818	586	2.8
	62	14	6007 CEZR	6007 CEZR-PKS2	1219	788	2.6
	72	17	6207 CEZR	6207 CEZR-PKS2	1963	1182	2.2
	80	21	6307 CEZR	6307 CEZR-PKS2	2520	1478	2.1

ZIRCONIA

Dimensions in mm

Bore	O.D.	Width	Open Bearing	Sealed Bearing	Max Load (kgf)		Rpm
					Dyn	Stat	(x1000)
40	50	6	6708 CEZR	6708 CEZR-PKS2	187	166	1.0
	52	7	6808 CEZR	6808 CEZR-PKS2	369	312	2.8
	62	12	6908 CEZR	6908 CEZR-PKS2	982	744	2.6
	68	15	6008 CEZR	6008 CEZR-PKS2	1283	882	2.4
	80	18	6208 CEZR	6208 CEZR-PKS2	2226	1371	2.0
	90	23	6308 CEZR	6308 CEZR-PKS2	3090	1842	1.9
45	55	6	6709 CEZR	6709 CEZR-PKS2	193	179	1.0
	58	7	6809 CEZR	6809 CEZR-PKS2	464	403	2.4
	68	12	6909 CEZR	6909 CEZR-PKS2	1035	811	2.2
	75	16	6009 CEZR	6009 CEZR-PKS2	1357	922	2.0
	85	19	6209 CEZR	6209 CEZR-PKS2	2084	1222	1.8
	100	25	6309 CEZR	6309 CEZR-PKS2	3996	2454	1.7
50	62	6	6710 CEZR	6710 CEZR-PKS2	202	190	0.9
	65	7	6810 CEZR	6810 CEZR-PKS2	472	420	2.2
	72	12	6910 CEZR	6910 CEZR-PKS2	1058	827	2.0
	80	16	6010 CEZR	6010 CEZR-PKS2	1388	995	1.8
	90	20	6210 CEZR	6210 CEZR-PKS2	2235	1395	1.6
	110	27	6310 CEZR	6310 CEZR-PKS2	4680	2965	1.5

Metric Ceramic Silicon - Si3N4

Ceramic silicon nitride bearings for radial loads and moderate thrust

loads in both directions.

These bearings are supplied with silicon nitride rings and balls.

Both types are available as full complement or with cages made from PEEK, PTFE or 316 stainless steel.

The bearings listed below are open or have PEEK seals but they can also be supplied with PTFE seals. Some sizes are also available with a flange on the outer ring.



SILICON NITRIDE

Dimensions in mm

Bore	O.D.	Width	Open Bearing	Sealed Bearing	Max Load (kgf)		Rpm
					Dyn	Stat	(x1000)
3	8	3	693 CESI				
	8	4		693 CESI-PKS2	34	11	16.0
	9	3	603 CESI	603 CESI-PKS2	37	12	16.0
	10	4	623 CESI	623 CESI-PKS2	37	13	15.0
4	9	2.5	684 CESI		41	14	16.0
	9	4		684 CESI-PKS2	41	14	16.0
	11	4	694 CESI	694 CESI-PKS2	62	21	14.0
	12	4	604 CESI	604 CESI-PKS2	61	21	14.0
	13	5	624 CESI	624 CESI-PKS2	81	29	12.0
	16	5	634 CESI	634 CESI-PKS2	85	33	10.0
5	11	3	685 CESI	685 CESI-PKS2	45	18	14.0
	11	5	685 CESI	685 CESI-PKS2	45	18	14.0
	13	4	695 CESI	695 CESI-PKS2	65	26	12.5
	14	5	605 CESI	605 CESI-PKS2	81	30	12.5
	16	5	625 CESI	625 CESI-PKS2	103	41	11.0
	19	6	635 CESI	635 CESI-PKS2	151	57	10.0
6	13	3.5	686 CESI		65	28	12.0
	13	5		686 CESI-PKS2	65	28	12.0
	15	5	696 CESI	696 CESI-PKS2	86	33	11.0
	17	6	606 CESI	606 CESI-PKS2	144	54	11.0
	19	6	626 CESI	626 CESI-PKS2	149	67	10.0
	22	7	636 CESI	636 CESI-PKS2	128	89	8.5



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