

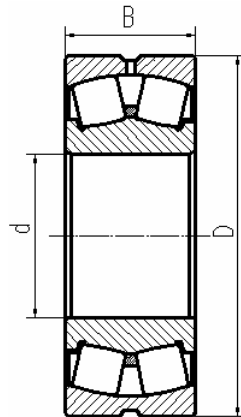


LUOYANG BLG BEARING INC.

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Spherical roller bearings

Spherical roller bearings have two rows of rollers with a common sphered raceway in the outer ring and two inner ring raceways inclined at an angle to the bearing axis. They are self-aligning and consequently insensitive to misalignment of the shaft relative to the housing and to shaft deflection or bending.



Dimensions			Load ratings		Fatigue Load limit	Speed ratings		Mass	Designation
d	D	B	dynamic	static	kN	reference	limiting	kg	
mm			C	C ₀		kN	speed		speed
						P _u	r/min		
400	600	148	3250	5700	400	850	1100	165	23080 *
400	650	200	4650	7650	530	530	950	265	23180 CA/W33 *
400	650	200	4650	7650	530	530	950	255	23180 CAK/W33 *
400	720	256	6550	10400	680	480	670	450	23280 CA/W33 *
400	720	256	6550	10400	680	480	670	435	23280 CAK/W33 *
400	820	243	7500	10400	670	430	750	650	22380 CA/W33 *
400	820	243	7500	10400	670	430	750	640	22380 CAK/W33 *
420	560	106	2040	4150	300	1000	1100	74,5	23984 CC/W33 *

420	560	106	2040	4150	300	1000	1100	72,0	23984 CCK/W33 *
420	620	150	3400	6000	415	600	1100	155	23084 CA/W33 *
420	620	150	3400	6000	415	600	1100	150	23084 CAK/W33 *
420	620	200	4400	8300	585	530	900	210	24084 ECA/W33 *
420	620	200	4400	8300	585	530	900	205	24084 ECAK30/W33 *
420	700	224	5600	9300	620	480	900	350	23184 CJ/W33 *
420	700	224	5600	9300	620	480	900	340	23184 CKJ/W33 *
420	700	280	7350	12600	850	400	700	445	24184 ECA/W33 *
420	700	280	7350	12600	850	400	700	440	24184 ECAK30/W33 *
420	760	272	7350	11600	765	450	630	535	23284 CA/W33 *
420	760	272	7350	11600	765	450	630	520	23284 CAK/W33 *
440	600	118	2450	4900	345	950	1000	99,5	23988 CC/W33 *
480	650	128	2900	5700	405	560	1000	120	23996 CAK/W33 *
480	700	165	3900	6800	450	530	950	215	23096 CA/W33 *
480	700	165	3900	6800	450	530	950	210	23096 CAK/W33 *
480	700	218	5300	10400	695	450	750	285	24096 ECA/W33 *
480	700	218	5300	10400	695	450	750	280	24096 ECAK30/W33 *
480	790	248	6950	12000	780	400	750	485	23196 CA/W33 *
480	790	248	6950	12000	780	400	750	470	23196 CAK/W33 *
480	790	308	9000	15600	1040	340	630	605	24196 ECA/W33 *
480	790	308	9000	15600	1040	340	630	595	24196 ECAK30/W33 *
480	870	310	9300	15000	950	380	530	800	23296 CA/W33 *
480	870	310	9300	15000	950	380	530	775	23296 CAK/W33 *
500	670	128	2900	6000	415	530	950	130	239/500 CA/W33 *
500	670	128	2900	6000	415	530	950	125	239/500 CAK/W33 *
500	720	167	4150	7800	510	500	900	225	230/500 CA/W33 *
500	720	167	4150	7800	510	500	900	220	230/500 CAK/W33 *
500	720	218	5500	11000	735	430	700	295	240/500 ECA/W33 *
500	720	218	5500	11000	735	430	700	290	240/500 ECAK30/W33 *
500	830	264	7650	12900	830	380	700	580	231/500 CA/W33 *
500	830	264	7650	12900	830	380	700	560	231/500 CAK/W33 *
500	830	325	9800	17000	1120	320	600	700	241/500 ECA/W33 *
500	830	325	9800	17000	1120	320	600	690	241/500 ECAK30/W33 *

500	920	336	10600	17300	1060	360	500	985	232/500 CA/W33 *
500	920	336	10600	17300	1060	360	500	955	232/500 CAK/W33 *
530	650	118	1840	5300	380	480	950	84,5	248/530 CAK30MA/W20
530	710	136	3200	6700	480	500	900	155	239/530 CA/W33 *
530	710	136	3200	6700	480	500	900	150	239/530 CAK/W33 *
530	780	185	5100	9300	630	450	800	310	230/530 CA/W33 *
530	780	185	5100	9300	630	450	800	300	230/530 CAK/W33 *
530	780	250	6700	13200	830	400	670	410	240/530 ECA/W33 *
530	780	250	6700	13200	830	400	670	405	240/530 ECAK30/W33 *
530	870	272	8150	14000	915	360	670	645	231/530 CA/W33 *
530	870	272	8150	14000	915	360	670	625	231/530 CAK/W33 *
530	870	335	10600	19000	1220	300	560	830	241/530 ECA/W33 *
530	870	335	10600	19000	1220	300	560	820	241/530 ECAK30/W33 *
530	980	355	11100	20400	1220	300	480	1200	232/530 CA/W33
530	980	355	11100	20400	1220	300	480	1165	232/530 CAK/W33
560	750	140	3450	7200	510	450	850	175	239/560 CA/W33 *
560	750	140	3450	7200	510	450	850	170	239/560 CAK/W33 *
560	820	195	5600	10200	680	430	750	355	230/560 CA/W33 *
560	820	195	5600	10200	680	430	750	345	230/560 CAK/W33 *
560	820	258	7350	14600	960	380	630	465	240/560 ECA/W33 *
560	820	258	7350	14600	960	380	630	455	240/560 ECAK30/W33 *
560	920	280	9150	16000	980	340	630	740	231/560 CA/W33 *
560	920	280	9150	16000	980	340	630	715	231/560 CAK/W33 *
560	920	355	12000	21600	1340	280	500	985	241/560 ECJ/W33 *
560	920	355	12000	21600	1340	280	500	975	241/560 ECK30J/W33 *
560	1030	365	11500	22000	1400	280	430	1350	232/560 CA/W33
560	1030	365	11500	22000	1400	280	430	1310	232/560 CAK/W33
600	800	150	3900	8300	585	430	750	215	239/600 CAK/W33 *
600	870	200	6000	11400	750	400	700	405	230/600 CA/W33 *
600	870	200	6000	11400	750	400	700	395	230/600 CAK/W33 *
600	870	272	8150	17000	1100	340	560	520	240/600 ECAF/W33 *
600	870	272	8150	17000	1100	340	560	510	240/600 ECAK30F/W33 *
600	980	300	10200	18000	1100	320	560	895	231/600 CA/W33 *

600	980	300	10200	18000	1100	320	560	865	231/600 CAK/W33 *
600	980	375	11500	23600	1460	240	480	1200	241/600 ECA/W33
600	980	375	11500	23600	1460	240	480	1185	241/600 ECAK30/W33
600	1090	388	13100	25500	1560	260	400	1600	232/600 CA/W33
600	1090	388	13100	25500	1560	260	400	1555	232/600 CAK/W33
630	780	112	2190	6100	415	400	750	115	238/630 CAKMA/W20
630	780	112	2190	6100	415	400	750	120	238/630 CAMA/W20
630	850	165	4650	9800	640	400	700	280	239/630 CA/W33 *
630	850	165	4650	9800	640	400	700	270	239/630 CAK/W33 *
630	920	212	6700	12500	800	380	670	485	230/630 CA/W33 *
630	920	212	6700	12500	800	380	670	470	230/630 CAK/W33 *
630	920	290	8800	18000	1140	320	530	645	240/630 ECJ/W33 *
630	920	290	8800	18000	1140	320	530	635	240/630 ECK30J/W33 *
630	1030	315	10500	20800	1220	260	530	1050	231/630 CA/W33
630	1030	315	10500	20800	1220	260	530	1015	231/630 CAK/W33
630	1030	400	12700	27000	1630	220	450	1400	241/630 ECA/W33
630	1030	400	12700	27000	1630	220	450	1380	241/630 ECAK30/W33
670	820	112	2250	6400	440	360	700	125	238/670 CAKMA/W20
670	820	150	3110	9500	655	360	700	172	248/670 CAMA/W20
670	900	170	5000	10800	695	360	670	315	239/670 CA/W33 *
670	900	170	5000	10800	695	360	670	305	239/670 CAK/W33 *
670	980	230	7650	14600	915	340	600	600	230/670 CA/W33 *
670	980	230	7650	14600	915	340	600	580	230/670 CAK/W33 *
670	980	308	10000	20400	1320	300	500	790	240/670 ECA/W33 *
670	980	308	10000	20400	1320	300	500	775	240/670 ECAK30/W33 *
670	1090	336	10900	22400	1370	240	500	1250	231/670 CA/W33
670	1090	336	10900	22400	1370	240	500	1210	231/670 CAK/W33
670	1090	412	13800	29000	1760	200	400	1600	241/670 ECA/W33
670	1090	412	13800	29000	1760	200	400	1575	241/670 ECAK30/W33
670	1220	438	15400	30500	1700	220	360	2270	232/670 CA/W33
670	1220	438	15400	30500	1700	220	360	2205	232/670 CAK/W33
710	870	118	2580	7500	500	340	670	153	238/710 CAMA/W20
710	950	180	5600	12000	765	340	600	365	239/710 CA/W33 *

710	950	180	5600	12000	765	340	600	355	239/710 CAK/W33 *
710	950	243	6800	15600	930	300	500	495	249/710 CA/W33 *
710	950	243	6800	15600	930	300	500	485	249/710 CAK30/W33 *
710	1030	236	8300	16300	1000	320	560	670	230/710 CA/W33 *
710	1030	236	8300	16300	1000	320	560	650	230/710 CAK/W33 *
710	1030	315	10400	22000	1370	260	450	895	240/710 ECA/W33 *
710	1030	315	10400	22000	1370	260	450	880	240/710 ECAK30/W33 *
710	1150	345	12200	26000	1530	240	450	1450	231/710 CA/W33
710	1150	345	12200	26000	1530	240	450	1405	231/710 CAK/W33
710	1150	438	15200	32500	1900	190	380	1870	241/710 ECAK30/W33
710	1280	450	17600	34500	2000	200	320	2610	232/710 CA/W33
710	1280	450	17600	34500	2000	200	320	2535	232/710 CAK/W33
750	920	128	2930	8500	550	320	600	175	238/750 CAKMA/W20
750	920	128	2930	8500	550	320	600	180	238/750 CAMA/W20
750	1000	185	6000	13200	815	320	560	420	239/750 CA/W33 *
750	1000	185	6000	13200	815	320	560	405	239/750 CAK/W33 *
750	1000	250	7650	18000	1100	280	480	560	249/750 CA/W33
750	1000	250	7650	18000	1100	280	480	550	249/750 CAK30/W33
750	1090	250	9650	18600	1100	300	530	795	230/750 CA/W33 *
750	1090	250	9650	18600	1100	300	530	770	230/750 CAK/W33 *
750	1090	335	11400	24000	1400	260	430	1065	240/750 ECA/W33 *
750	1090	335	11400	24000	1400	260	430	1050	240/750 ECAK30/W33 *
750	1220	365	13800	29000	1660	220	430	1700	231/750 CA/W33
750	1220	365	13800	29000	1660	220	430	1650	231/750 CAK/W33
750	1220	475	17300	37500	2160	180	360	2100	241/750 ECA/W33
750	1220	475	17300	37500	2160	180	360	2065	241/750 ECAK30/W33
750	1360	475	18700	36500	2120	190	300	3050	232/750 CAF/W33
750	1360	475	18700	36500	2120	190	300	2960	232/750 CAKF/W33
800	980	180	4140	12900	830	300	560	295	248/800 CAK30MA/W20
800	980	180	4140	12900	830	300	560	300	248/800 CAMA/W20
800	1060	195	6400	14300	880	300	530	470	239/800 CA/W33 *
800	1060	195	6400	14300	880	300	530	455	239/800 CAK/W33 *
800	1060	258	8000	19300	1060	260	430	640	249/800 CA/W33 *

800	1150	258	10000	20000	1160	280	480	895	230/800 CA/W33 *
800	1150	258	10000	20000	1160	280	480	865	230/800 CAK/W33 *
800	1150	345	12500	27500	1730	220	400	1200	240/800 ECA/W33 *
800	1150	345	12500	27500	1730	220	400	1180	240/800 ECAK30/W33 *
800	1280	375	14800	31500	1800	200	400	1920	231/800 CA/W33
800	1280	375	14800	31500	1800	200	400	1860	231/800 CAK/W33
800	1280	475	18400	40500	2320	170	320	2300	241/800 ECA/W33
800	1280	475	18400	40500	2320	170	320	2265	241/800 ECAK30/W33
850	1030	136	3340	10000	640	260	530	230	238/850 CAKMA/W20
850	1030	136	3340	10000	640	260	530	240	238/850 CAMA/W20
850	1120	200	6950	15600	930	260	480	560	239/850 CA/W33 *
850	1120	200	6950	15600	930	260	480	540	239/850 CAK/W33 *
850	1120	272	9300	22800	1370	220	400	740	249/850 CA/W33 *
850	1120	272	9300	22800	1370	220	400	725	249/850 CAK30/W33 *
850	1220	272	9370	21600	1270	240	450	1050	230/850 CA/W33
850	1220	272	9370	21600	1270	240	450	1015	230/850 CAK/W33
850	1220	365	12700	31500	1900	200	360	1410	240/850 ECA/W33
850	1220	365	12700	31500	1900	200	360	1385	240/850 ECAK30/W33
850	1360	400	16100	34500	2000	180	360	2200	231/850 CA/W33
850	1360	400	16100	34500	2000	180	360	2130	231/850 CAK/W33
850	1360	500	20200	45000	2550	150	300	2710	241/850 ECAF/W33
850	1360	500	20200	45000	2550	150	300	2665	241/850 ECAK30F/W33
900	1090	190	4660	15300	950	240	480	365	248/900 CAK30MA/W20
900	1090	190	4660	15300	950	240	480	370	248/900 CAMA/W20
900	1180	206	7500	17000	1020	240	450	585	239/900 CAK/W33 *
900	1280	280	10100	23200	1340	220	400	1200	230/900 CA/W33
900	1280	280	10100	23200	1340	220	400	1165	230/900 CAK/W33
900	1280	375	13600	34500	2040	190	340	1570	240/900 ECA/W33
900	1280	375	13600	34500	2040	190	340	1545	240/900 ECAK30/W33
900	1420	515	21400	49000	2700	140	280	3350	241/900 ECAF/W33
900	1420	515	21400	49000	2700	140	280	3300	241/900 ECAK30F/W33
950	1250	224	7250	19600	1120	220	430	755	239/950 CA/W33
950	1250	224	7250	19600	1120	220	430	730	239/950 CAK/W33

950	1250	300	9200	26000	1500	180	340	1015	249/950 CA/W33
950	1250	300	9200	26000	1500	180	340	995	249/950 CAK30/W33
950	1360	300	12000	28500	1600	200	380	1450	230/950 CA/W33
950	1360	300	12000	28500	1600	200	380	1405	230/950 CAK/W33
950	1360	412	14800	39000	2320	170	300	1990	240/950 CAF/W33
950	1360	412	14800	39000	2320	170	300	1955	240/950 CAK30F/W33
950	1500	545	23900	55000	3000	130	260	3535	241/950 ECAF/W33
950	1500	545	23900	55000	3000	130	260	3475	241/950 ECAK30F/W33
1000	1220	165	4660	14300	865	220	400	395	238/1000 CAKMA/W20
1000	1220	165	4660	14300	865	220	400	410	238/1000 CAMA/W20
1000	1320	315	10400	29000	1500	170	320	1200	249/1000 CA/W33
1000	1320	315	10400	29000	1500	170	320	1180	249/1000 CAK30/W33
1000	1420	308	12700	30500	1700	180	360	1600	230/1000 CAF/W33
1000	1420	308	12700	30500	1700	180	360	1550	230/1000 CAKF/W33
1000	1420	412	15400	40500	2240	160	280	2140	240/1000 CAF/W33
1000	1580	462	21400	48000	2550	140	280	3500	231/1000 CAF/W33
1000	1580	462	21400	48000	2550	140	280	3390	231/1000 CAKF/W33
1000	1580	580	26700	62000	3350	120	240	4300	241/1000 ECAF/W33
1000	1580	580	26700	62000	3350	120	240	4230	241/1000 ECAK30F/W33
1060	1280	165	4770	15000	800	200	380	420	238/1060 CAKMA/W20
1060	1280	165	4770	15000	800	200	380	435	238/1060 CAMA/W20
1060	1280	218	6100	20000	1200	200	380	560	248/1060 CAK30MA/W20
1060	1280	218	6100	20000	1200	200	380	570	248/1060 CAMA/W20
1060	1400	250	9550	26000	1460	180	360	1100	239/1060 CAF/W33
1060	1400	250	9550	26000	1460	180	360	1065	239/1060 CAKF/W33
1060	1400	335	11500	32500	1860	160	280	1400	249/1060 CAF/W33
1060	1400	335	11500	32500	1860	160	280	1375	249/1060 CAK30F/W33
1060	1500	325	13800	34000	1830	170	320	2250	230/1060 CAF/W33
1060	1500	325	13800	34000	1830	170	320	2190	230/1060 CAKF/W33
1060	1500	438	17300	45500	2500	150	260	2515	240/1060 CAF/W33
1060	1500	438	17300	45500	2500	150	260	2475	240/1060 CAK30F/W33
1120	1360	243	7250	24000	1400	180	340	735	248/1120 CAF/W20
1120	1360	243	7250	24000	1400	180	340	720	248/1120 CAK30FA/W20

1120	1460	335	11700	34500	1830	140	260	1500	249/1120 CAF/W33
1120	1460	335	11700	34500	1830	140	260	1475	249/1120 CAK30F/W33
1120	1580	462	18700	50000	2850	130	240	2925	240/1120 CAF/W33
1120	1580	462	18700	50000	2850	130	240	2825	240/1120 CAK30F/W33
1180	1420	180	5870	18600	1080	170	320	575	238/1180 CAFA/W20
1180	1420	180	5870	18600	1080	170	320	555	238/1180 CAKFA/W20
1180	1420	243	7710	27000	1560	170	320	755	248/1180 CAK30FA/W20
1180	1540	272	11100	31000	1660	150	300	1400	239/1180 CAF/W33
1180	1540	272	11100	31000	1660	150	300	1355	239/1180 CAKF/W33
1180	1540	355	13600	40500	2160	130	240	1800	249/1180 CAF/W33
1180	1540	355	13600	40500	2160	130	240	1770	249/1180 CAK30F/W33
1250	1750	375	17900	45000	2400	130	240	2840	230/1250 CAF/W33
1250	1750	375	17900	45000	2400	130	240	2750	230/1250 CAKF/W33
1320	1600	280	9780	33500	1860	140	260	1160	248/1320 CAFA/W20
1320	1600	280	9780	33500	1860	140	260	1140	248/1320 CAK30FA/W20
1320	1720	400	16100	49000	2550	110	200	2500	249/1320 CAF/W33
1320	1720	400	16100	49000	2550	110	200	2455	249/1320 CAK30F/W33
1500	1820	315	12700	45000	2400	110	200	1710	248/1500 CAFA/W20
1500	1820	315	12700	45000	2400	110	200	1680	248/1500 CAK30FA/W20
1800	2180	375	17600	63000	3050	75	130	2900	248/1800 CAFA/W20
1800	2180	375	17600	63000	3050	75	130	2850	248/1800 CAK30FA/W20