



Stainless Steel Ball Bearing Expert



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Zoty Industrial Co.,Ltd founded in 2008, factory located in Shanghai, and set up the sales office in Dongguan and Hongkong, . Zoty integrates production, trade, investment and sales. We are taking the business to new heights that would have made our founder proud!

Produced the bearings main material covering (GCr15) Chrome Steel and (AISI440C, 420, 304, 316)Stainless Steel, sells only the finest quality bearings of low noise, low vibration, high precision, high sealing performance, high operation performance, long working life etc. Widely used in the fields of household appliances, micro motor, R/C models, fishing reels, fitness equipment, medical appliance, precision instrument, textile machinery and agricultural machinery...

Main products and services, including:

- * Stainless Steel Miniature Ball Bearings
- * Deep Groove Ball Bearings
- * Miniature Ball Bearings
- * Flange Ball Bearings
- * Thrust Bearings
- * Linear Bearings
- * Tapered Roller Bearings
- * Roller Wheels(Drawer Rollers& Plastic Bearing Rollers)

We welcome you to explore our website to discover all the ways that ZOTY BEARING can service your requirements at the highest level.



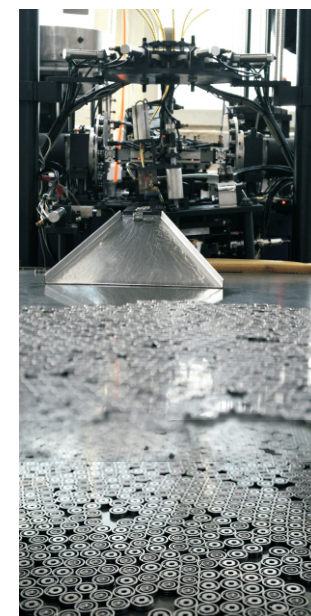
Workplace



Workplace



Cleaning Machine



Semi-finished Product



Surface Grinder



www.zotyindustrial.com

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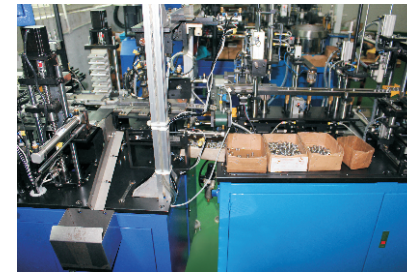
▼ Production Equipment



Automatic Hook Road Grinder



Bearing Automatic Assembly Connection (1)



Bearing Automatic Assembly Connection (2)



Bearing Automatic Assembly Connection (3)



Concentricity Tester



Roundness Measuring Instrument



Rockwell Hardness Tester



Salt Spary Test Machine



Vibration Measuring Instrument-1



CNC Turning Machine



Vibration Measuring Instrument



Outside Diameter Indicator



Clearance measuring instrument

Stainless Steel Ball Bearing

High performance stainless steel deep groove ball bearings can provides not only with the cleanliness and corrosion resistance characteristic, but also with high accuracy and excellent wear resistance compare to the high stainless steel ball bearings. The rings and balls are made of the material AISI420 or 440C stainless steel as a standard structure of deep groove ball bearings, production accuracy could reach ISO standard ABEC-1 and above, and the vibration level reach Z0V0 grade and above.

Application:

Stainless Steel Ball Bearings widely used in kitchen appliance, medical device, rowing boat, door & window which near the sea, food machinery, chemical machinery and clearing machine, etc.

▼ 不锈钢轴承 Stainless Steel Ball Bearings



SMR62zz



SMR84zz



SMR85zz



SMR95zz



SMR106zz



SMR115zz

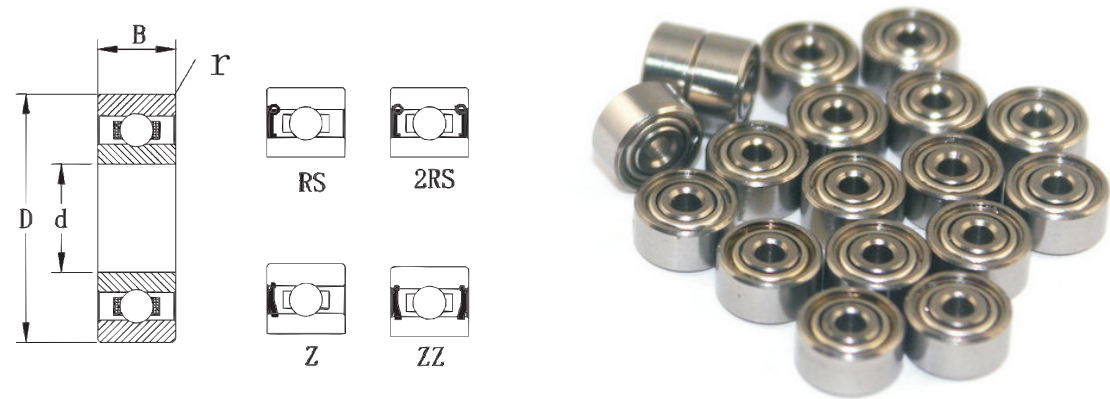


SMR137



S635zz

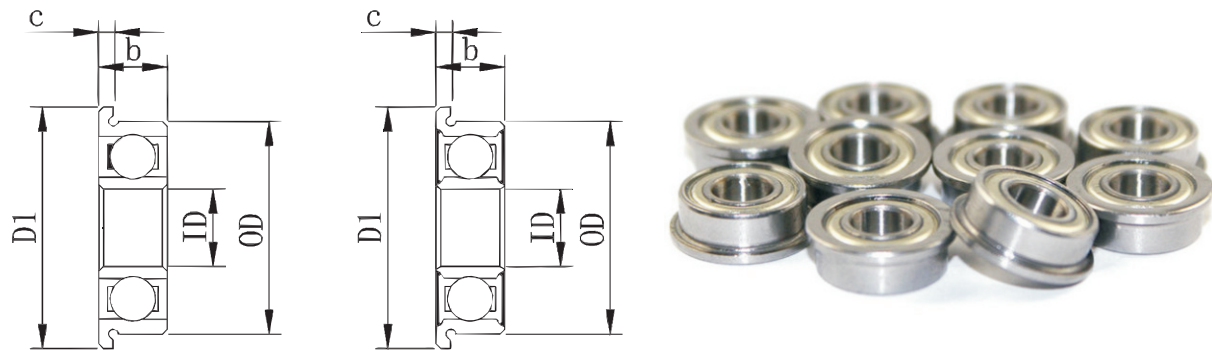
MR Series Miniature Ball Bearing



Miniature ball bearings is radial and deep groove ball bearing, which made of Chrome Steel bearing is closed with metal shields to protect the bearing from dust or any possible contamination. Widely use in models, R/C toys, micro engine, R/C cars, RC aircraft, helicopter, radio control, RC slot car and mini fan, etc.

轴承型号 Bearing No.	内径 ID(mm)	外径 OD(mm)	宽度 Thickness(mm)		圆角 Chamfer R	额定载荷 Rating Load		极限速度 Limit Speed(1000r/m)		重量 Weight(g)
			Open	ZZ		Cr	Cor	Grease lubricated	Oil Lubricated	
MR52	2	5	2	2.5	0.1	167	49	94	106	0.2
MR62	2	6	2.5	2.5	0.15	333	98	83	93	0.33
MR72	2	7	2.8	3	0.15	386	129	60	71	0.53
MR82	2.5	8	2.5	3	0.15	558	180	60	67	0.52
MR63	3	6	2	2.5	0.1	206	74	73	82	0.28
MR83	3	8	2.5	3	0.15	392	137	60	67	0.51
MR93	3	9	2.5	4	0.2	568	186	56	62	1.15
MR74	4	7	2	2.5	0.1	255	108	60	67	0.33
MR84	4	8	2	3	0.15	392	137	55	62	0.56
MR85	5	8	2	2.5	0.1	216	88	51	57	0.34
MR95	5	9	2.5	3	0.15	431	167	47	53	0.58
MR104	4	10	3	4	0.2	588	206	47	53	1.33
MR105	5	10	3	4	0.15	431	167	44	49	1.26
MR115	5	11	3.5	4	0.15	716	294	41	46	1.36
MR106	6	10	3	3	0.15	500	216	41	46	0.7
MR126	6	12	3	4	0.2	715	294	37	41	1.66
MR117	7	11	2.5	3	0.15	451	206	37	41	0.71
MR137	7	13	3	4	0.2	539	274	33	37	2.01
MR128	8	12	2.5	3.5	0.15	539	274	33	37	0.99
MR148	8	14	3.5	4	0.2	813	382	30	34	2.19

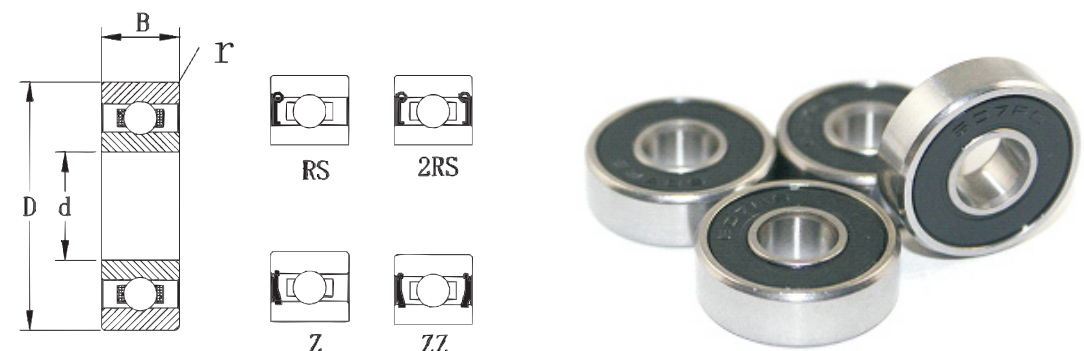
MF Series Flanged Ball Bearing



Flanged ball bearing is radial and deep groove ball bearing with flanged which made of chrome steel and stainless steel, and bearing with metal shields or rubber sealed to protect the bearing from dust or any possible contamination.

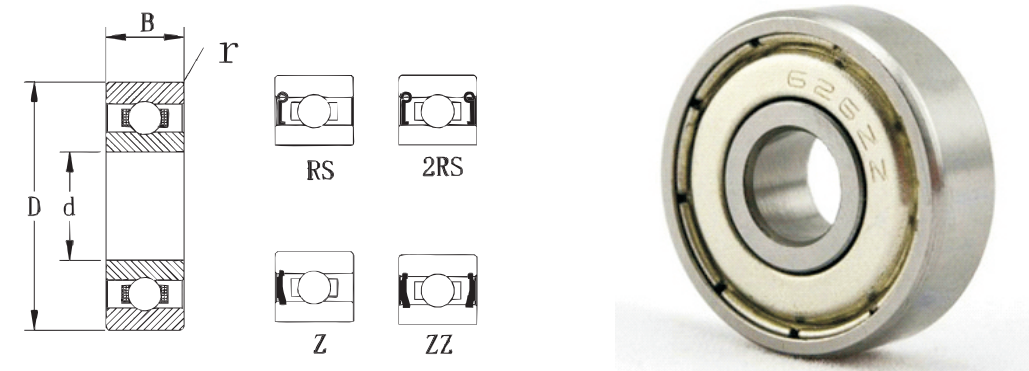
轴承型号 Bearing No.	内径 ID(mm)	外径 OD(mm)	宽度 Thickness(mm)		额定载荷 Rating Load		极限速度 Limit speed (1000r/m)	
			Open	ZZ	Cr	Cor	Grease Lubricated	Oil Lubricated
MF52	2	5	2	2.5	169	50	94	106
MF62	2	6	2.5	2.5	333	100	83	93
MF72	3	7	2.5	3	382	135	73	83
MF63	2.5	6	2	2.5	209	74	71	80
MF83	3	8	2.5	3	395	141	60	67
MF93	3	9	2.5	4	571	189	56	67
MF74	3	7	2	2.5	255	108	60	57
MF84	4	8	2	3	395	141	56	67
MF104	4	10	3	4	711	272	48	56
MF85	4	8	2	2.5	218	90	53	63
MF95	5	9	2.5	3	431	169	50	60
MF105	5	10	3	4	431	169	50	60
MF115	5	11	3	4	716	282	45	53
MF106	6	10	2.5	3	496	218	45	53
MF126	6	12	3	4	716	295	43	50
MF117	7	11	2.5	3	455	202	43	50
MF137	7	13	3	4	541	276	40	48
MF128	8	12	2.5	3.5	543	274	40	48
MF148	8	14	3.5	4	817	386	38	45

6000 Series Deep Groove Ball Bearing



轴承型号 Bearing No.	内径 Bore		外径 O.D.		宽度 Width		倒角 Chamfer	额定载荷 (KN) Load Rating		钢球参数 Ball Complement		极限转速(转/分) Maxrunout speed		重量 Weight
	d		D		B		r/min	Dynamic	Static	No.	Size	Grease	Oil	Kg
	mm	in	mm	In	mm	In	mm	Cr	Cor		mm	r/min	r/min	
603	3	.11811	9	.35433	3	.1181	0.15	0.49	0.22	7	1.588	40000	48000	0.0009
604	4	.15748	12	.4727244	4	.1575	0.2	0.75	0.34	7	2.0	36000	44000	0.0021
605	5	.19685	14	.5512	5	0.1969	0.2	1.02	0.49	7	2.381	32000	40000	0.0035
606	6	.23622	17	.66929	6	.2362	0.3	1.13	0.56	6	3.175	30000	38000	0.006
607	7	.27559	19	0.74803	6	.2362	0.3	2.01	1.05	6	3.97	28000	36000	0.008
608	8	.31496	22	.86614	7	.2756	0.3	2.53	1.36	7	3.969	26000	34000	0.015
609	9	.35433	24	.94488	7	.2756	0.3	2.57	1.36	7	3.969	24000	32000	0.016
6000	10	.3937	26	1.02362	8	.3150	0.3	3.52	1.95	7	4.5	22000	30000	0.019
6001	12	.47244	28	1.10236	8	0.315	0.3	3.93	2.23	8	4.763	19000	26000	0.021
6002	15	.59055	32	1.2598	9	.3543	0.3	4.3	2.51	9	4.763	18000	24000	0.03
6003	17	.66929	35	1.37795	10	.3937	0.3	4.62	2.79	10	4.763	17000	22000	0.04
6004	20	.7874	42	1.65354	12	.4724	0.6	7.22	4.46	9	6.35	15000	19000	0.068
6005	25	.98425	47	1.85039	12	.4724	0.6	7.74	4.96	10	6.35	14000	18000	0.079
6006	30	1.1811	55	2.16535	13	0.5118	1.0	10.18	6.91	11	7.144	12000	15000	0.113
6007	35	1.37795	62	2.44094	14	0.5512	1.0	12.47	8.66	11	7.938	1000	14000	0.149
6008	40	1.5748	68	2.67717	15	0.5906	1.0	17	11.8	12	8	6000	11000	0.185
6009	45	1.77165	75	2.95276	16	0.6299	1.0	21	14.8	12	9	5600	10000	0.23
6010	50	1.9685	80	3.14961	16	0.6299	1.0	22	16.2	13	9	5000	9000	0.258
6011	55	2.16535	90	3.54331	18	0.7087	1.5	30.2	21.8	12	11	4500	8000	0.362
6012	60	2.3622	95	3.74016	18	0.7087	1.5	31.5	24.2	13	11	4000	7000	0.385

6200 Series Deep Groove Ball Bearing



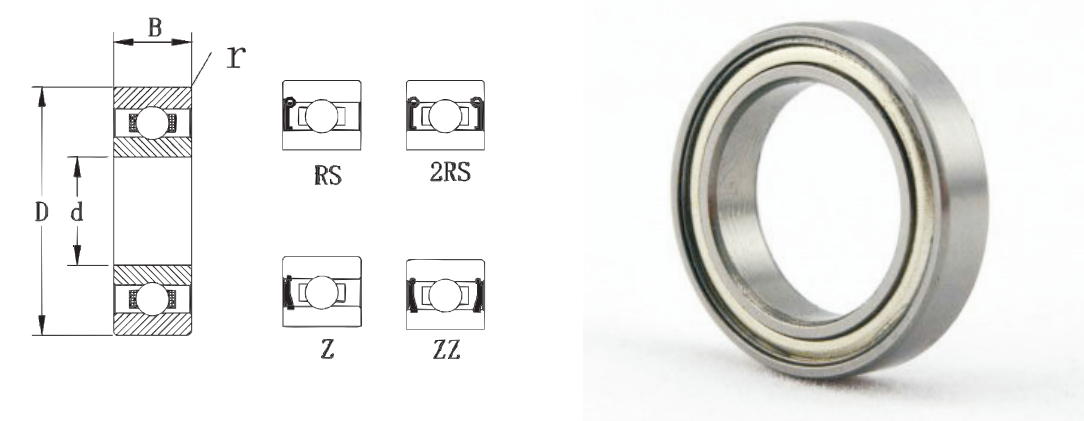
轴承型号 Bearing No.	内径 Bore		外径 O.D.		宽度 Width		倒角 Chamfer	额定载荷 (KN) Load Rating		钢球参数 Ball Complement		极限转速(转/分) Maxrunout speed		重量 Weight
	d		D		B		r/min	Dynamic	Static	No.	Size	Grease	Oil	Kg
	mm	in	mm	In	mm	In	mm	Cr	Cor		mm	r/min	r/min	
623	3	.11811	10	.3937	4	.1575	0.15	0.5	0.22	7	1.588	40000	49000	0.002
624	4	.15748	13	.51181	5	.1969	0.2	0.89	0.42	6	2.381	36000	45000	0.003
625	5	.19685	16	.62992	5	.1969	0.3	1.13	0.56	8	2.381	32000	40000	0.005
626	6	.23622	19	.74803	6	.2362	0.3	2.01	1.05	6	3.5	28000	36000	0.008
627	7	.27559	22	.86614	7	0.2756	0.3	2.53	1.36	7	3.969	26000	34000	0.014
628	8	.31496	24	.94488	8	0.315	0.3	2.57	1.36	7	3.969	24000	32000	0.016
629	9	.35433	26	1.02362	8	0.315	0.3	3.52	1.95	7	4.763	22000	30000	0.019
6200	10	.3937	30	1.1811	9	.3543	0.6	3.93	2.23	8	4.763	19000	26000	0.032
6201	12	.47244	32	1.25984	10	.3937	0.6	5.25	3.05	7	5.953	18000	24000	0.035
6202	15	.59055	35	1.37795	11	.4331	0.6	5.88	3.49	7	6.35	17000	22000	0.045
6203	17	.66929	40	1.5748	12	.4724	0.6	7.36	4.48	8	6.747	16000	20000	0.064
203KRR2	16.256	0.64	40	1.5748	18.288/12	0.6	0.6	7.4	5	8	6.747	15000	18000	0.07
6204	20	.7874	47	1.85039	14	0.5512	1.0	9.88	6.2	8	7.938	14000	18000	0.103
6205	25	.98425	52	2.04724	15	0.5906	1.0	10.78	6.98	9	7.938	12000	16000	0.127
6206	30	1.1811	62	2.44094	16	0.6299	1.0	14.97	10.04	9	9.525	10000	13000	0.202
6207	35	1.37795	72	2.83465	17	0.6693	1.1	19.75	13.67	9	11.112	6000	12000	0.25
6208	40	1.5748	80	3.14961	18	0.7087	1.1	29.5	18	9	12	5600	10000	0.27
6209	45	1.77165	85	3.34646	19	0.748	1.1	31.5	20.5	10	12	5000	9000	0.42
6210	50	1.9685	90	3.54331	20	0.7874	1.1	35	23.2	10	12.7	4800	8500	0.47

6300 Series Deep Groove Ball Bearing



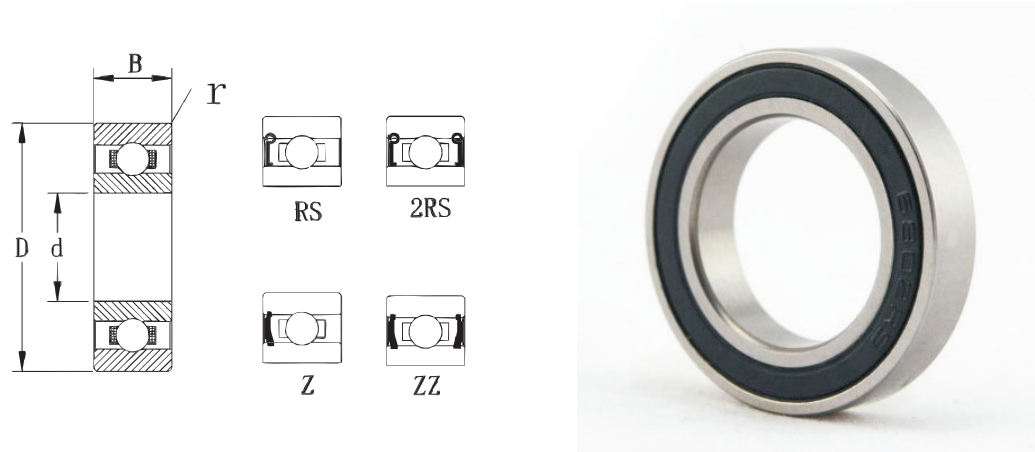
轴承型号 Bearing No.	内径 Bore		外径 O.D.		宽度 Width		倒角 Chamfer	额定载荷 (KN) Load Rating		钢球参数 Ball Complement		极限转速(转/分) Maxrunout speed		重量 Weight
	d		D		B		r/min	Dynamic	Static	No.	Size	Grease	Oil	Kg
	mm	in	mm	in	mm	in	mm	Cr	Cor		mm	r/min	r/min	
635	5	.19685	19	.74803	6	0.2362	0.3	2.01	1.05	7	3.5	28000	36000	0.008
636	6	.23622	22	.86614	7	0.2756	0.3	2.5	1.5	7	3.969	25000	32000	0.009
638	8	.31496	28	1.10236	9	0.3543	0.3	3.52	1.95	7	4.763	22000	30000	0.029
6300	10	.3937	35	1.37795	11	0.4331	0.6	5.88	3.47	7	6.35	18000	24000	0.0532
6301	12	.47244	37	1.45669	12	0.4724	1.0	7.48	4.65	6	7.938	17000	22000	0.0574
6302	15	.59055	42	1.65354	13	0.5118	1.0	8.8	5.43	7	7.938	16000	20000	0.0804
6303	17	.66929	47	1.85039	14	0.5512	1.0	10.45	6.56	7	8.731	15000	19000	0.1096
6304	20	.7874	52	2.04724	15	0.5906	1.1	12.26	7.81	7	9.525	14000	17000	0.1417
6305	25	.98425	62	2.44094	17	0.6693	1.1	17.22	11.39	7	11.5	12000	14000	0.2193
6306	30	1.1811	72	2.83465	19	0.748	1.1	20.77	14.17	8	12	10000	12000	0.3498
6307	35	1.37795	80	3.14961	21	0.8268	1.5	33.2	19.2	8	13.494	5600	10000	0.4
6308	40	1.5748	90	3.54331	23	0.9055	1.5	40.8	24	8	15.081	5000	9000	0.42
6309	45	1.77165	100	3.93701	25	0.9843	1.5	52.8	31.8	8	17.462	4500	8000	0.83

6700 Series Thin Section Ball Bearing



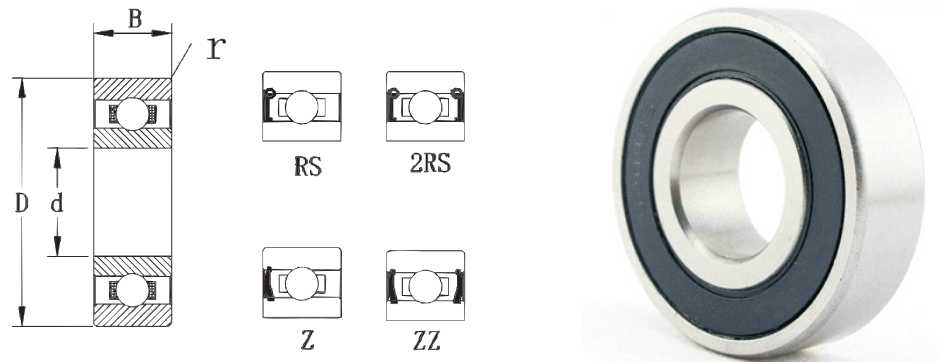
轴承型号 Bearing No.	内径 I.D.		外径 O.D.		宽度 Width		倒角 Chamfer	额定载荷 (KN) Load Rating		极限转速(转/分) Maxrunout speed		重量 Weight
	d		D		B		r/min	Dynamic	Static	Grease	Oil	Kg
	mm	in	mm	in	mm	in	mm	Cr	Cor			
6700	10	0.3937	15	0.5906	4	0.1575	0.1	800	390	36000	42000	0.0019
6701	12	0.4724	18	0.7087	4	0.1575	0.2	850	530	32000	38000	0.0031
6702	15	0.5906	21	0.8268	4	0.1575	0.2	910	490	29000	34000	0.0036
6703	17	0.6693	23	0.9055	4	0.1575	0.2	960	610	26000	31000	0.004
6704	20	0.7874	27	1.063	4	0.1575	0.2	1030	720	23000	28000	0.0059
6705	25	0.9843	32	1.2598	4	0.1575	0.2	1090	830	19000	23000	0.007
6706	30	1.1811	37	1.4567	4	0.1575	0.2	1170	980	17000	20000	0.0083
6707	35	1.378	44	1.7323	5	0.1969	0.3	1850	1630	15000	17000	0.015
6708	40	1.5748	50	1.9685	6	0.2362	0.3	2519	2234			0.023
6709	45	1.7717	55	2.1654	6	0.2362	0.3	2577	2401			0.025
6710	50	1.9685	62	2.4409	6	0.2362	0.3	2666	2636			0.034

6800 Series Deep Groove Ball Bearing



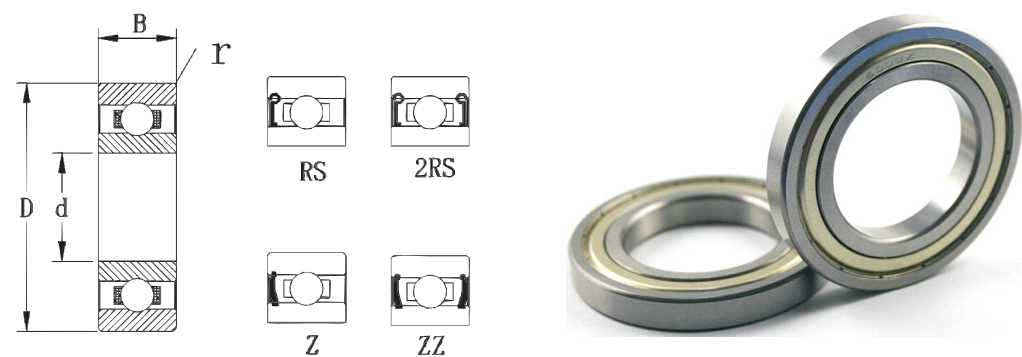
轴承型号 Bearing No.		内径 Bore		外径 O.D.		宽度 Width		倒角 Chamfer	额定载荷 (KN) Load Rating		钢球参数 Ball Complement		极限转速(转/分) Maxrunout speed	
		d		D		B		r/min	Dynamic	Static	No.	Size	Grease	Oil
		mm	in	mm	In	mm	In	mm	Cr	Cor		mm	r/min	r/min
683	Open	3	.11811	7	.27559	2	.0787	0.1	0.3	0.12	7	1.2	45000	53000
	Seal					3	.1181							
684	Open	4	.15748	9	.35433	2.5	.0984	0.1	0.5	0.22	7	1.588	39000	48000
	Seal					4	.1575							
685	Open	5	.19685	11	.43307	3	.1181	0.15	0.6	0.28	9	1.588	35000	45000
	Seal					5	.1969							
686	Open	6	.23622	13	.51181	3.5	.1378	0.15	0.83	0.39	8	2.0	33000	42000
	Seal					5	.1969							
687	Open	7	.27559	14	.55118	3.5	.1378	0.15	0.9	0.44	9	2.0	31000	40000
	Seal					5	.1969							
688	Open	8	.31496	16	.62992	4	.1575	0.2	1.23	0.63	9	2.381	29000	38000
	Seal					5	.1969							
689	Open	9	.35433	17	.66929	4	.1575	0.2	1.23	0.63	9	2.381	28000	36000
	Seal					5	.1969							
6800		10	.3937	19	.74803	5	.1969	0.3	1.32	0.7	10	2.381	26000	34000
6801		12	.47244	21	.82677	5	.1969	0.3	1.47	0.84	12	2.381	22000	30000
63801		12	.47244	21	.82677	7	.2756	0.3	1.47	0.84	12	2.381	22000	30000
6802		15	.59055	24	.94488	5	.1969	0.3	1.59	0.98	14	2.381	20000	28000
6803		17	.66929	26	1.02362	7	.1969	0.3	1.7	1.05	15	2.381	19000	26000
6804		20	.7874	32	1.25984	7	.2756	0.30	2.68	1.74	14	3.175	17000	22000
6805		25	.98425	37	1.45669	7	.2756	0.3	3.3	2.26	15	3.5	15000	18000
6806		30	1.1811	42	1.65354	7	.2756	0.3	4.55	3.4	19	3.175	13000	15000
6807		35	1.37795	47	1.85039	7	.2756	0.3	4.75	3.85	22	3.175	11000	13000
6808		40	1.5748	52	2.04724	7	0.2756	0.3	4.95	4.2	24	3.175	10000	12000

6900 Series Deep Groove Ball Bearing



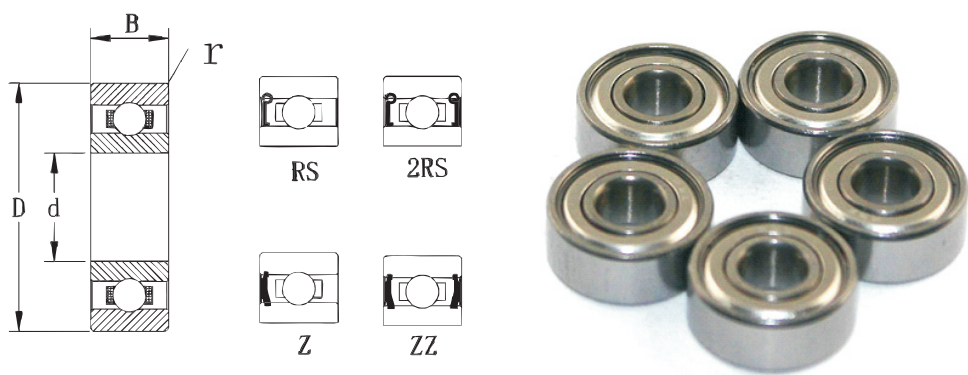
轴承型号 Bearing No.	孔径(d)		外径(D)		宽度(B)		倒角半径(R)		额定负荷 Rating Load		钢球参数 Ball Complement		极限速度 Limiting Speed	
									Cr	Cor	No.	Size(mm)	Grease	Oil
	mm	inch	mm	inch	mm	inch	mm	inch						
694	4	0.1575	11	0.4331	4	0.1575	0.15	0.006	0.715	0.276	7	2	45000	52000
695	5	0.1969	13	0.5118	4	0.1575	0.2	0.008	1.08	0.43	8	2	34000	43000
696	6	0.2362	15	0.5906	5	0.1969	0.2	0.008	1.35	0.53	8	2.381	32000	40000
697	7	0.2756	17	0.6693	5	0.1969	0.2	0.008	1.61	0.715	9	2.381	30000	38000
698	8	0.315	19	0.7480	6	0.2362	0.3	0.120	1.99	0.865	7	3.5	28000	36000
699	9	0.3543	20	0.7874	6	0.2362	0.3	0.120	2.48	1.09	9	2.381	27000	34000
6900	10	0.3937	22	0.8551	6	0.2362	0.5	0.020	2.7	1.27	12	2.381	25000	32000
6901	12	0.4724	24	0.9449	6	0.2362	0.5	0.020	2.89	1.46	9	3.5	20000	28000
6902	15	0.5906	28	1.1024	7	0.2756	0.5	0.020	4.1	2.06	10	3.969	19000	26000
6903	17	0.6693	30	1.1811	7	0.2756	0.5	0.020	4.65	2.58	11	3.969	18000	24000
6904	20	0.7874	37	1.4567	9	0.3543	0.5	0.020	6.4	3.7	11	4.763	17000	22000
6905	25	0.9843	42	1.6535	9	0.3543	0.5	0.020	7.05	4.56	13	4.763	14000	18000
6906	30	1.1811	47	1.8504	9	0.3543	0.6	0.024	7.25	5	14	4.763	12000	16000
6907	35	1.378	55	2.1654	10	0.3947	0.6	0.024	11.2	7.45	14	5.556	10000	14000
6908	40	1.5748	62	2.4409	12	0.4724	0.6	0.024	14.5	10.2	14	6.747	8000	12000
6909	45	1.7717	68	2.6771	12	0.4724	0.6	0.024	15.1	11.2	15	6.747	6000	10000
6910	50	1.9685	72	2.8346	12	0.4724	0.6	0.024	15.6	12.2	16	6.747	4000	8000
6911	55	2.1654	80	3.1496	13	0.5118	1.5	0.059	-	-	-	-	-	-
6912	60	2.3622	85	3.3465	13	0.5118	1.5	0.059	-	-	-	-	-	-
6913	65	2.5591	90	3.5433	13	0.5118	1.5	0.059	-	-	-	-	-	-
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6920	100	3.937	140	5.5118	20	0.7874	2	0.079	-	-	-	-	-	-

1600 Series Inch Deep Groove Ball Bearing



轴承型号 Bearing No.	内径 Bore		外径 O.D.		宽度 Width		倒角 Chamfer		额定载荷 (KN) Load Rating		极限转速(转/分) Maxrunout speed		重量 Weight
	d		D		B		r/min		Dynamic		Grease	Oil	kg
	mm	Inch	mm	Inch	mm	Inch	mm	Inch	Cr	Cor	r/min	r/min	
1601	4.762	0.1875	17.462	0.1875	6.350	0.2500	0.300	0.012	1.511	0.724	30000	38000	0.005
1602	6.350	0.2500	17.462	0.2500	6.350	0.2500	0.300	0.012	1.511	0.724	30000	38000	0.006
1603	7.938	0.3125	22.225	0.3125	7.144	0.2812	0.300	0.012	2.547	1.342	26000	34000	0.011
1604	9.525	0.3750	22.225	0.3750	7.144	0.2812	0.380	0.015	2.547	1.342	22000	30000	0.130
1605	7.938	0.3125	23.019	0.3125	7.938	0.3125	0.300	0.012	2.547	1.342	22000	30000	0.140
1606	9.525	0.3750	23.019	0.3750	7.938	0.3125	0.300	0.015	2.547	1.342	22000	30000	0.150
1607	11.113	0.4375	23.019	0.4375	7.938	0.3125	0.300	0.015	3.556	1.938	21000	24000	0.160
1614	9.525	0.3750	28.575	0.3750	9.525	0.3750	0.300	0.025	3.921	2.245	19000	26000	0.035
1615	11.113	0.4375	28.575	0.4375	9.525	0.3750	0.300	0.025	3.921	2.245	19000	26000	0.034
1616	12.700	0.5000	28.575	0.5000	9.525	0.3750	0.300	0.025	3.921	2.245	19000	26000	0.030
1620	11.113	0.4375	34.925	0.4375	11.113	0.4375	0.300	0.025	5.880	3.490	17000	22000	0.050
1621	12.700	0.5000	34.925	0.5000	11.113	0.4375	0.300	0.025	5.880	3.490	17000	22000	0.048
1622	14.288	0.5625	34.925	0.5625	11.113	0.4375	0.600	0.025	5.880	3.490	17000	22000	0.046
1623	15.875	0.6250	34.925	0.6250	11.113	0.4375	0.600	0.025	5.880	3.490	17000	22000	0.040
1628	15.875	0.6250	41.275	0.6250	12.700	0.5000	0.600	0.025	7.232	4.450	15000	19000	0.072
1630	19.050	0.7500	41.275	0.7500	12.700	0.5000	0.600	0.032	7.232	4.450	15000	19000	0.065
1633	15.875	0.6250	44.450	0.6250	12.700	0.5000	0.600	0.032	7.232	4.450	15000	19000	0.092
1635	19.050	0.7500	44.450	0.7500	12.700	0.5000	0.600	0.032	7.232	4.450	15000	19000	0.085
16001	21	0.4725	28	0.4725	7.000	0.2756	0.300	0.025	5.080	2.380	26000	30000	0.024
16002	15	0.5906	32	0.5906	8.000	0.3150	0.300	0.025	5.600	2.550	22000	26000	0.025
16003	17	0.6693	35	0.6693	8.000	0.3150	0.300	0.025	6.820	3.380	20000	24000	0.032
16004	20	0.7874	42	0.7874	8.000	0.3150	0.300	0.025	7.900	4.500	18000	21000	0.052
16005	25	0.9843	47	0.9843	8.000	0.3150	0.300	0.032	8.800	5.600	15000	18000	0.059
16006	30	-	55	-	9.000	-	0.300	-	11.200	7.400	1300	15000	0.084
16007	35	-	62	-	9.000	-	0.300	-	12.200	8.800	11000	13000	0.107
16008	40	-	68	-	9.000	-	0.300	-	12.600	9.600	9800	12000	0.125
16009	45	-	75	-	10.000	-	0.600	-	15.600	12.200	8900	10000	0.155
16010	50	-	80	-	10.000	-	0.600	-	16.100	13.100	8200	9700	0.166
16011	55	-	90	-	11.000	-	0.600	-	19.400	16.200	7400	8800	0.207
16012	60	-	95	-	11.000	-	0.600	-	19.900	17.500	6900	8100	0.224
16013	65	-	100	-	11.000	-	0.600	-	20.500	18.600	6600	7800	0.241
16014	70	-	100	-	13.000	-	0.600	-	27.900	25.000	5700	7200	0.386

R Series Inch Deep Groove Ball Bearing



轴承型号 Bearing No.	孔径(d)		外径(D)		宽度(B)		倒角半径(R)		额定负荷 Rating Load		钢球参数 Ball Complement		极限速度 Limiting Speed		重量 Weight
	mm	inch	mm	inch	mm	inch	mm	inch	动态	静态	数量	大小 (size)	油脂	油	KG
									(Cr)	(Cor)			(Grease)	(Oli)	
R2	3.175	.1250	9.525	0.3750	3.97	.156	3.97	.156	0.3	.012	.630	.218	56000	67000	0.002
R3	4.762	.1875	12.700	0.5000	3.97	.156	4.98	.196	0.3	.012	1.300	.485	43000	53000	0.0025
R4	6.350	.2500	15.875	0.6250	4.98	.196	4.98	.196	0.3	.012	1.480	.615	38000	45000	0.005
R6	9.525	.3750	22.225	0.8750	5.56	.219	7.14	.281	0.4	.016	3.350	1.410	32000	38000	0.010
R8	12.700	.5000	28.575	1.1250	6.35	.250	7.94	.313	0.4	.016	4.300	1.300	26000	32000	0.018
R10	15.875	.6250	34.925	1.3750	7.14	.281	8.73	.344	0.6	.024	5.990	3.285	22000	28000	0.031
R12	19.050	.7500	41.275	1.6250	7.94	.313	11.11	.438	0.6	.024	7.905	4.480	17000	20000	0.046
R14	22.225	.8750	47.625	1.8750	9.53	.375	12.70	.500	0.6	.024	10.000	5.850	13000	17000	0.076
R16	25.400	1.000	50.800	2.0000	9.53	.375	12.70	.500	0.6	.024	10.000	5.850	13000	17000	0.085
R18	28.575	1.125	53.975	2.1250	9.53	.375	12.70	.500	0.6	.024	13.20	8.300	10000	14000	0.090
R20	31.750	1.250	57.150	2.2500	9.53	.375	12.70	.500	0.6	.024	13.20	8.300	10000	14000	0.096
R22	34.925	1.375	63.500	2.5000	1.11	.437	14.29	.567	0.8	.032	16.20	10.500	9000	12000	0.133
R24	38.100	1.500	66.675	2.6250	11.1	.437	14.29	.567	0.8	.032	17	11.800	8500	11000	0.145
R156	4.763	0.188	7.938	0.3125	2.78	0.1094	3.18	0.125	0.10	0.004	—	—	—	—	0.00044
R166	4.763	0.188	9.525	0.3750	3.18	0.1250	3.18	0.125	0.10	0.004	—	—	—	—	0.00080
R168	6.350	0.250	9.525	0.3750	3.18	0.1250	3.18	0.125	0.30	0.004	—	—	—	—	0.00060
R188	6.650	0.250	12.700	0.5000	3.18	0.1250	4.76	0.188	0.10	0.006	8	1.588	—	—	0.00160
R3A	4.762	0.188	12.700	0.5000	4.978	0.1960	4.980	0.196	0.30	0.012	7	2.381	1.31	0.485	0.00250
R4A	6.350	0.250	19.050	0.7500	5.556	0.2188	7.144	0.282	0.40	0.016	6	3.969	2.175	1.136	0.008
R8-7	11.113	0.428	28.575	1.1250	6.35	0.25			0.40	0.016	8	4.763	4.62	2.79	0.015
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
99502H	15.875	0.625	34.925	1.375	—	—	11.00	0.433	0.80	0.030	8	5.953	4.620	2.79	0.042

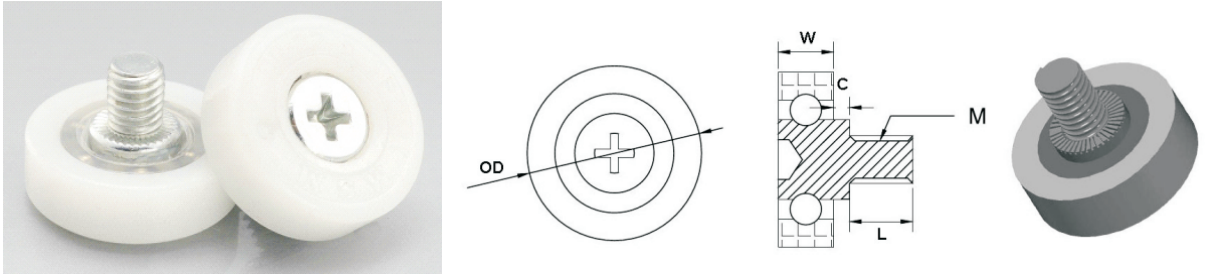
▼ Other Kinds of Bearing



▼ PU Pulleys & Drawer Pulleys



Plastic Bearing Roller Pulleys Datasheet (DR/DO/DU/DV/DF series)



Part No.	OD mm	W mm	C mm	L mm	M mm	Load N (kgf)	Gross Weight g
DR19-C1L3	19mm	6	1	3	6	49 (5)	7
DR19-C1L6	19mm	6	1	6	6	49 (5)	7
DR19-C1L8	19mm	6	1	8	6	49 (5)	8
DR19-C2L8	19mm	6	2	8	6	49 (5)	8
DR19-C3L8	19mm	6	3	8	6	49 (5)	10
DR22-C1L8	22mm	7	1	8	6	196 (20)	11
DR22-C2L8	22mm	7	2	8	6	196 (20)	11
DR24-C1L8	24mm	7	1	8	6	196 (20)	12
DR24-C2L8	24mm	7	2	8	6	196 (20)	12
DR26-C1L8	26mm	7	1	8	6	196 (20)	13
DR26-C2L8	26mm	7	2	8	6	196 (20)	13
DR28-C1L8	28mm	7	1	8	6	196 (20)	14
DR28-C2L8	28mm	7	2	8	6	196 (20)	14
DR30-C1L8	30mm	7	1	8	6	196 (20)	16
DR30-C2L8	30mm	7	2	8	6	196 (20)	16

Bearing Technical Parameters

轴承性能参数介绍

材料 Material

轴承套圈和钢球一般采用 SUS304，SUS316或不锈钢SUS440 (9Cr18) 制造。保持架一般采用尼龙，铁氟龙，不锈钢SUS440 制造。防尘盖一般采用10#、08A1、SPCC (JISG3141) 或不锈钢带 (1Cr8Ni9、AISI304) 等材料制成。密封圈采用磷化钢骨和丁腈油橡胶热压制成。

The ring and balls of bearing are made of SUS304, SUS316,SUS440(9Cr18).The retainer is made of nylon,Teflon,SUS440. The shield is made of steep strip 10,08A1, SPCC (JISG3141) or stainless steel (1Cr8Ni9, AISI304) . The seals are hot-pressed by Phosphorated Steel Skeleton and Nitrile Butadiene Rubber(NBR).

不锈钢轴承常用材料 Stainless Steel

配件名称 Part Name	常用材料Material			
内外圈 Bearing Rings	AISI440C 9Cr18Mo	AISI440B 9Cr18	AISI304 0Cr18Ni9	AISI316 0Cr17Ni12Mo2
钢球 Ball	AISI440C	AISI440C	AISI304	AISI316
保持器 Retainer	AISI304	AISI304	AISI304 密封圈RS 防尘盖ZZ	ZZ AISI304

不同型号的不锈钢化学成分
The Chemical Composition of different stainless steel numbers

不锈钢型号 Stainless steel No.	C %	Cr %	Si %	Mn %	S %	P %	Mo %	Ni %
AISI440B	0.90-1.00	17-19	≤ 0.8	≤ 0.8	≤ 0.03	≤ 0.035		
AISI440C	0.95-1.10	16-18	≤ 0.8	≤ 0.8	≤ 0.03	≤ 0.035	0.4-0.7	
AISI304(304L)	≤ 0.07	17-19	≤ 1	≤ 2	≤ 0.03	≤ 0.035	2-3	8-11
AISI316(316L)	≤ 0.08	16-18.5	≤ 1	≤ 2	≤ 0.03	≤ 0.035		10-14

各国不锈钢型号对比
The contrast of Stainless Steel number of each country

国家 Country	中国 China	美国 U.S.A	德国 Germany DIN W-Nr		日本 Japan	法国 France
不锈钢型号 Stainless Steel No.	9Cr18	AISI440B	X90CrMoV18	1.4112	SUS440	Z105CrMo17
	9Cr18Mo	AISI440C	X105CrMoV17	1.4125	SUS440C	Z105CrMo17
	0Cr18Ni9	AISI304	X5CrNi1810	1.4301	SUS304	Z7CN18-09
	0Cr17Ni12Mo2	AISI316	X5CrNiMo17-12-2	1.4401	SUS316	Z7CND18-12-03

精度 Accuracy

轴承的精度，是指尺寸精度和旋转精度。国际轴承等级分为：0级、6级、5级、4级、2级，等效采用ISO标准。不同标准精度等级对比如下：

Bearing's precision means dimension accuracy and running accuracy. International grade of bearing is divided into: P0, P6, P5, P4, P2, and or equivalently adopts ISO standard. Different precision glade's comparison see as follows:

精度等级对照表：Comparison table of accuracy grade

国家 Country	标准 Standard	精度等级 Accuracy Grade				
China	GB307-84	B	C	D	E	G
China	GB/T307.1-94	2	4	5	6	0
International Standard Organization	ISO	2	4	5	6	0
Japan	JIS	2	4	5	6	0
U.S.A	ANSI	ABEC9	ABEC7	ABEC5	ABEC3	ABEC1
Germany	DIN	P ₂	P ₄	P ₅	P ₆	P ₀
Sweden	SKF	P ₂	P ₄	P ₅	P ₆	P ₀

游隙 Clearance

轴承游隙是指内圈或外圈中的一个固定，使另一个移动时的偏移量。轴承运转时工作游隙的大小对轴承的滚动、寿命、振动、噪音、温升等性能影响很大。现按轴承结构列出无预负荷的游隙适用表。

Bearing internal clearance is defined as the total distance through which one bearing ring can be moved relative to the other. The operational clearance of a bearing has great influence on the running condition, lift, vibration level, noise value, and the rmal expansion of bearing. Following table give the clearance for the various bearing types in the conditions of without pre-load.

深沟球轴承（圆柱孔）的径向内部游隙
Radial internal clearance of deep groove ball bearings (including cylindrical bore)

注：C2组游隙仅适用于6级精度以上轴承
Note: C2 group clearance only for bearing over 6 grade accuracy

Bore (d)		C2		C0 Normal		C3		C4		C5	
Over	Incl										
mm	mm	min	max	min	max	min	max	min	max	min	max
2.5	6	0	7	2	13	8	23	-	-	-	-
6	10	0	7	2	13	8	23	14	29	20	37
10	18	0	9	3	18	11	25	18	33	25	45
18	24	0	10	5	20	13	28	20	36	28	48
24	30	1	11	5	20	13	28	23	41	30	53
30	40	1	11	6	20	15	33	28	46	40	64
40	50	1	11	6	23	18	36	30	51	45	73
50	65	1	15	8	28	23	43	38	61	55	90