



Pioneering **Stainless Steel Bearing Solutions**

Setting Industry Standards for Over 20 Years

专业致力于
全品类**不锈钢轴承**

ZGBK
BEARINGS

总部/ Headquarter

无锡市重工微型轴承厂

Wuxi Heavy Industrial Micro Bearing Factory

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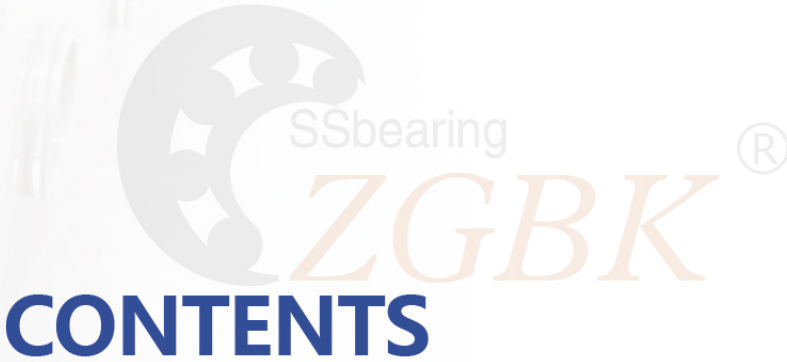
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无锡市重工微型轴承厂

WUXI HEAVY INDUSTRIAL MICRO BEARING FACTORY

目 录

PRECISION IN MOTION
RELIABILITY IN EVERY
TURN.



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ABOUT ZGBK BEARINGS

关于ZGBK

无锡市重工微型轴承厂 (ZGBK Bearings) 创立于 2001 年, 是中国不锈钢轴承领域的先驱与领导者, 现已发展成为国内规模最大的标准化不锈钢轴承制造商之一。

ZGBK 拥有雄厚的运营体系, 旗下汇聚无锡市重微轴承有限公司、无锡源凯传动设备制造有限公司、安徽波特轴承有限公司等多家企业, 构建了完整贯通的产业链体系。

ZGBK 严格选用长城特钢优质原材料, 实现从原料到成品的全流程自主生产, 确保对每一关键环节的精准把控。凭借研发设计、专业制造、轴承采购与检测服务的整合优势, ZGBK 致力于为全球客户提供全方位的轴承解决方案及个性化定制支持。

ZGBK 产品远销欧洲、美国、日本等国际市场, 年产量 85% 以上服务于海外客户。我们始终秉持对品质、可靠性与卓越服务的不懈追求, 在全球市场赢得了广泛认可。

Founded in 2001, Wuxi Heavy Industrial Micro Bearing Factory (ZGBK Bearings) is a pioneer and leading manufacturer in China's STAINLESS STEEL BEARING industry, and has grown into one of the largest standardized stainless steel bearing producers in the country.

ZGBK Bearings operates under a strong group structure, comprising Wuxi City Zhongwei Bearing Co., Ltd., Wuxi Yuankai Transmission Equipment Manufacturing Co., Ltd., and Anhui Bote Bearing Co., Ltd etc., forming a complete and integrated industrial chain.

ZGBK Bearings group strictly selects high-grade materials from Changcheng Special Steel and maintains full in-house production from raw materials to finished products, ensuring total control over every critical process. With integrated strengths in Research&Development, professional manufacturing, bearing sourcing, and testing services, ZGBK is committed to providing comprehensive bearing solutions and customized support tailored to diverse customer needs.

ZGBK Bearings' products are exported worldwide, including to Europe, the United States, and Japan, with over 85% of annual production shipped overseas. Our dedication to quality, reliability, and service excellence has earned us widespread recognition in the global market.



OUR ADVANTAGES

我们的优势

■ 全球供应链，可靠交付

拥有超过**30年经验**，产品出口**50多个国家**。凭借大量库存及中美双枢纽运营，ZGBK确保**100%准时交付**，满足您的紧急运输需求。

■ 工程与定制解决方案

15年以上专业经验的工程师团队，可快速完成**不锈钢轴承及混合陶瓷球轴承**从设计到生产的全流程工作，为广大客户提供**定制化**的解决方案

■ 卓越价值，更低总成本

ZGBK 通过延长使用寿命、降低摩擦系数和减少停机时间，帮助客户**降低最高 20%** 的运营成本。

■ 稳定品质，认证保障

我们以 **ISO 9001** 为基石，执行 100% 全检的苛刻标准，兑现对产品一致性“零缺陷”的承诺，铸就全球供应链信赖的卓越品质基石。



■ Global Supply Chain, Reliable Delivery

Over **30 years of experience** and exports to **50+ countries**. With large in-stock inventory and dual hubs in China and the U.S., ZGBK ensures **100% on-time delivery** to meet your immediate shipping needs.

■ Engineering & Customized Solutions

Our **15+ years** engineering team designs tailored **stainless steel and hybrid ceramic bearings** with rapid design-to-production turnaround.

■ Superior Value, Lower Total Cost

ZGBK bearings helps customers to **cut their operating costs by up to 20%** through longer life, lower friction, and reduced downtime.

■ Consistent Quality, Certified Performance

We take **ISO 9001** as the foundation, adhere to the strict standard of 100% full inspection, fulfill the commitment of "zero defect" in product consistency, and build the cornerstone of outstanding quality trusted by the global supply chain.

OUR HISTORY

我们的历程

精度与创新的传承 | ZGBK轴承

ZGBK轴承的发展史是我们在轴承制造领域追求卓越的见证。自1997年以来，我们已从本土贸易商成长为国际公认的专业轴承供应商与不锈钢轴承制造商。探索我们关于成长、创新与品质坚守的征程——正是这份坚持使我们成为全球多元化应用领域备受信赖的精密轴承品牌。



A Legacy of Precision & Innovation | ZGBK Bearings

At ZGBK Bearings, our history is a testament to our commitment to excellence in the bearing manufacturing industry. Since 1997, we have evolved from a local trader into a globally recognized professional bearing supplier and stainless steel bearing manufacturer. Explore our journey of growth, innovation, and dedication to quality that has made us a trusted name in precision bearings for diverse applications worldwide.



2008 ZGBK Old Factory



2010 Anhui Bote Bearing Factory

OUR PRODUCTS

我们的产品

不锈钢轴承说明

STAINLESS STEEL BEARINGS INTRODUCTION

高性能的不锈钢轴承在清洁耐蚀的基础上同样提供可与高碳铬钢媲美的高精度及耐磨性，作为标准结构的不锈钢轴承，套圈及滚动体材料采用 AISI SUS440C(9Cr18Mo 或 9Cr18) 经真空淬回火处理，保持架及密封圈骨架材料采用 AISI304 或 AISI316，精度达 ISO 标准 ABEC-1 以上。振动等级 Z1 组及以上。

The high performance stainless steel bearings can provide not only with the cleanliness and corrosion resistance characteristic also with the high accuracy and excellent wear resistance compare to the high carbon chrome steel bearings. The rings and balls are made of the material as a standard structure of stainless steel bearing, the rings and balls are made of the material of AISI440C (9Cr18Mo or 9Cr18), the cage and the framework of seal adoption the AISI304 or AISI316, production accuracy could reach ISO standard ABEC-1 and above, and the vibration level reach Z1 grade above.



■ 非标产品列表 Non-standard products list

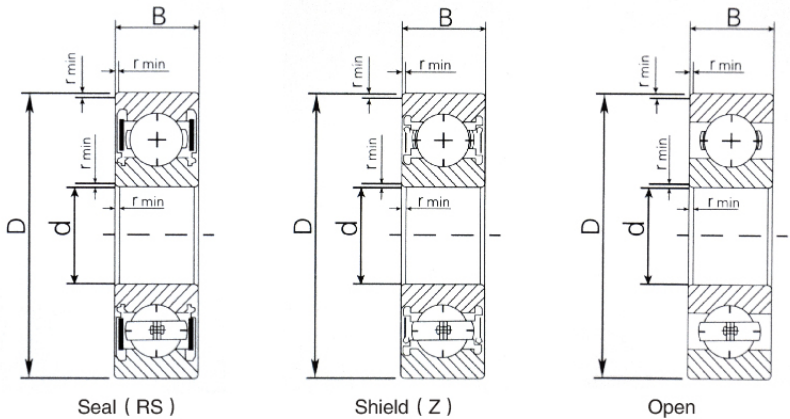


■ 标准件产品列表 Standard product list



单列深沟球轴承

SINGLE ROW DEEP GROOVE BALL BEARINGS



轴承型号 Bearing NO.	内 径 d	外 径 D	宽度 B		额定载荷(KN) Load Rating		钢 球 Ball		倒 角 Rmin	重量(KG) Weight
			Open	Shield/seal	Cor	Cr	NO.	Size(mm)		
1601	0.1875	0.6875	0.25	0.25/0.312	0.578	1.2802	8	2.381	0.3	0.0041
1602	0.25	0.6875	0.25	0.25/0.312	0.578	1.2802	8	2.381	0.3	0.0064
1603	0.3125	0.875	0.281	0.281/0.344	0.916	1.9248	7	3.969	0.3	0.0095
1604	0.375	0.875	0.281	0.281/0.344	0.916	1.9248	7	3.969	0.3	0.0086
1605	0.3125	0.9062	0.312	0.312	0.845	1.5558	9	3.175	0.3	0.0168
1606	0.375	0.9062	0.312	0.312	0.845	1.5558	9	3.175	0.3	0.0218
1607	0.4375	0.9062	0.312	0.312	0.845	1.5558	9	3.175	0.3	0.0222
1614	0.375	1.125	0.375	0.375	1.556	2.9517	8	4.763	0.3	0.0349
1615	0.4375	1.125	0.375	0.375	1.556	2.9517	8	4.763	0.3	0.0322
1616	0.5	1.125	0.375	0.375	1.556	2.9517	8	4.763	0.3	0.0299
1620	0.4375	1.375	0.437	0.437	2.147	3.9163	10	4.763	0.6	0.0454
1621	0.5	1.375	0.437	0.437	2.147	3.9163	10	4.763	0.6	0.0481
1622	0.5625	1.375	0.437	0.437	2.147	3.9163	10	4.763	0.6	0.0458
1623	0.625	1.375	0.437	0.437	2.147	3.9163	10	4.763	0.6	0.0399
1628	0.625	1.625	0.5	0.5	2.921	5.0009	9	6.35	0.6	0.0721
1630	0.75	1.625	0.5	0.5	2.921	5.0009	9	6.35	0.6	0.0649
1633	0.625	1.75	0.5	0.5	2.921	5.0009	9	6.35	0.6	0.0921
1635	0.75	1.75	0.5	0.5	2.921	5.0009	9	6.35	0.9	0.0848
1638	0.75	2.0	0.562	0.562	4.534	7.4681	10	6.35	0.9	0.1202
1640	0.875	2.0	0.562	0.562	4.534	7.4681	10	6.35	0.9	0.112
1641	1.0	2.0	0.562	0.562	4.534	7.4681	10	6.35	0.9	0.1002
1652	1.125	2.5	0.625	0.625	6.37	9.6018	11	7.938	1.0	0.2100
1654	1.25	2.5	0.625	0.625	6.37	9.6018	11	7.938	1.0	0.1901
1657	1.25	2.5625	0.687	0.687	7.913	11.2288	11	7.938	1.0	0.2050
1658	1.3125	2.5625	0.687	0.687	7.913	11.2288	11	7.938	1.0	0.2000

For stainless steel,add an "SS" prefix to part number.
不锈钢轴承请在型号前面加“SS”。

轴承型号 Bearing NO.	孔 径 Bore d mm	外 径 O.D D mm	宽 度 Width B mm	倒 角 Chamfer r min mm	钢球参数 Ball Complement		额定载荷 (KN) Load Rating		极限转速 (转/分) Limiting speed		重 量 Weight (kg)
					NO.	Size mm	Dynamic Cr	Static Cor	Grease r/min	Oil r/min	
6000	10	26	8	0.3	7	4.763	4.58	1.98	20000	28000	0.018
6001	12	28	8	0.3	8	4.763	5.10	2.38	19000	26000	0.02
6002	15	32	9	0.3	9	4.763	5.58	2.85	18000	24000	0.026
6003	17	35	10	0.3	10	4.763	6.00	3.25	17000	22000	0.036
6004	20	42	12	0.6	9	6.35	9.38	5.02	15000	19000	0.069
6005	25	47	12	1.0	10	6.35	10.10	5.58	13000	17000	0.075
6006	30	55	13	1.1	11	7.144	10.18	6.91	10000	14000	0.116
6007	35	62	14	1.1	11	7.938	12.46	8.65	9000	12000	0.155
6008	40	68	15	1.1	12	7.938	13.09	9.44	8500	11000	0.185
6009	45	75	16	1.5	12	9.0	16.21	11.95	8000	10000	0.231
6010	50	80	16	1.5	13	9.0	16.93	12.94	7000	9000	0.250
6200	10	30	9	0.6	8	4.763	5.10	2.38	19000	26000	0.028
6201	12	32	10	0.6	7	5.953	6.82	3.05	18000	24000	0.034
6202	15	35	11	0.6	8	5.953	7.65	3.72	17000	22000	0.043
6203	17	40	12	0.6	8	6.747	9.58	4.47	16000	20000	0.062
6204	20	47	14	1.0	8	7.938	9.87	6.18	14000	18000	0.102
6205	25	52	15	1.1	9	7.938	10.75	10.02	12000	16000	0.120
6206	30	62	16	1.5	9	9.525	14.96	13.65	9500	13000	0.190
6207	35	72	17	2	9	11.112	19.74	15.92	8500	11000	0.270
6208	40	80	18	2	9	12.0	22.70	17.70	8000	10000	0.370
6209	45	85	19	2	10	12.0	24.35	19.82	7000	9000	0.380
6210	50	90	20	2	10	12.7	26.97	25.09	6700	8500	0.450
6300	10	35	11	0.6	7	6.35	7.65	3.48	20000	26000	0.054
6301	12	37	12	1.0	6	7.938	9.72	5.08	17000	22000	0.058
6302	15	42	13	1.0	7	7.938	11.5	5.42	16000	20000	0.082
6303	17	47	14	1.5	7	8.731	10.68	6.66	15000	19000	0.11
6304	20	52	15	2	7	9.525	12.25	7.79	13000	17000	0.14
6305	25	62	17	2	7	11.5	17.25	11.37	10000	14000	0.22
6306	30	72	19	2	8	12.0	21.66	14.80	9000	12000	0.33
6307	35	80	21	2.5	8	13.494	25.68	17.542	8000	10000	0.41
6308	40	90	23	2.5	8	15.081	31.36	22.25	7000	9000	0.6
6309	45	100	25	2.5	8	17.462	37.04	26.17	6000	8000	0.77
6310	50	110	27	3	8	19.05	47.43	35.57	6000	7500	1.03

For stainless steel,add an "SS" prefix to part number.
不锈钢轴承请在型号前面加“SS”。

轴承型号 Bearing NO.	孔 径 Bore d mm	外 径 O.D D mm	宽 度 Width B mm	倒 角 Chamfer r min mm	钢球参数 Ball Complement		额定载荷 (KN) Load Rating		极限转速 (转/分) Limiting speed		重 量 Weight (kg)
					NO.	Size mm	Dynamic Cr	Static Cor	Grease r/min	Oil r/min	
6800	10	19	5	0.3	9	2.831	1.40	0.75	26000	34000	0.005
6801	12	21	5	0.3	12	2.831	1.40	0.90	22000	30000	0.006
6802	15	24	5	0.3	14	2.831	1.92	1.18	20000	28000	0.007
6803	17	26	5	0.3	15	2.831	2.18	1.28	19000	26000	0.008
6804	20	32	7	0.3	13	3.175	3.45	2.25	17000	22000	0.019
6805	25	37	7	0.3	16	3.175	3.70	2.65	15000	19000	0.027
6806	30	42	7	0.3	20	3.175	4.70	3.65	13000	17000	0.026
6807	35	47	7	0.3	22	3.175	4.90	4.05	11000	15000	0.029
6808	40	52	7	0.3	25	3.175	5.10	4.40	9000	13000	0.033
6809	45	58	7	0.3	28	3.175	6.05	4.3	9500	12000	0.040
6810	50	65	7	0.3	31	3.175	6.24	4.75	9000	11000	0.052
6811	55	72	9	0.3	23	4.736	8.84	6.8	8500	10000	0.083
6812	60	78	10	0.6	24	4.736	8.71	6.7	7500	9000	0.11
6813	65	85	10	0.6	26	4.736	11.9	9.65	7000	8500	0.13
6814	70	90	10	0.6	28	4.736	12.1	10	6700	8000	0.14
6815	75	95	10	0.6	30	4.736	12.5	10.8	6300	7500	0.15
6816	80	100	10	0.6	31	4.736	12.7	11.2	6000	7000	0.15
6900	10	22	6	0.5	9	3.175	3.30	1.40	25000	32000	0.009
6901	12	24	6	0.5	10	3.175	3.38	1.48	20000	28000	0.011
6902	15	28	7	0.5	10	3.969	4.00	2.02	19000	26000	0.016
6903	17	30	7	0.5	11	3.969	4.30	2.32	18000	24000	0.018
6904	20	37	9	0.5	11	4.763	6.55	3.60	17000	22000	0.036
6905	25	42	9	0.5	12	4.763	7.36	4.55	14000	18000	0.042
6906	30	47	9	0.3	14	4.763	7.25	5.00	12000	16000	0.048
6907	35	55	10	0.6	13	5.953	11.2	7.45	10000	14000	0.074
6908	40	62	12	0.6	13	6.747	14.6	10.2	8000	12000	0.110
6909	45	68	12	1.0	15	6.747	14	98	9000	11000	0.14
6910	50	72	12	1.0	16	6.747	14.6	10.4	8500	10000	0.14
6911	55	80	13	1.0	15	7.938	15.9	11.4	8000	9500	0.19
6912	60	85	13	1.0	16	7.938	16.5	12	7500	9000	0.20
6913	65	90	13				17.4	13.4	6700	8000	0.22
6914	70	100	16				23.8	18.3	6300	7500	0.35
6915	75	105	16				24.2	19.3	6000	7000	0.37

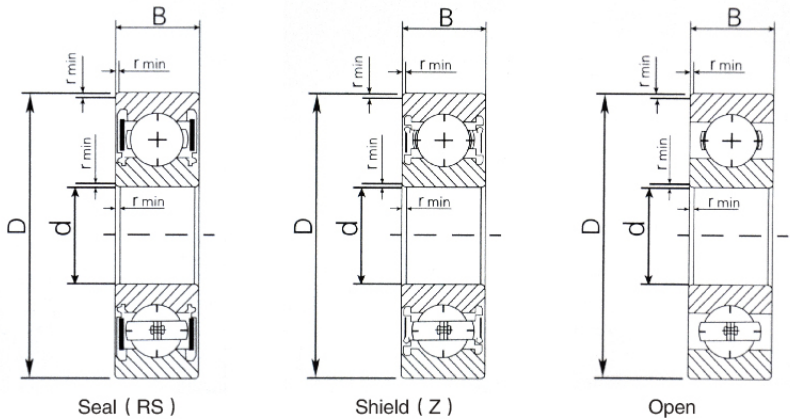
For stainless steel,add an "SS" prefix to part number.
不锈钢轴承请在型号前面加 “SS” 。

轴承类型 Bearing Type	主要维度 Principal Dimensions			基本负载 Basic Load		极限转速（转/分） Limiting speed		重量 Weight (kg)
	d	D	B	Cr	Cor	Grease	Oil	
	mm			N		r/min		
16100	10	28	8	4620	1960	28000	34000	0.022
16101	12	30	8	5070	2360	26000	32000	0.023
16002	15	32	8	5590	2850	22000	28000	0.025
16003	17	35	8	6050	3250	19000	24000	0.032
16004	20	42	8	6890	4050	17000	20000	0.050
16005	25	47	8	7610	4750	14000	17000	0.060
16006	30	55	9	11200	7350	12000	15000	0.085
16007	35	62	9	12400	8150	10000	13000	0.110
16008	40	68	9	13300	9150	9500	12000	0.130
16009	45	75	10	15600	10800	9000	11000	0.170
16010	50	80	10	16300	11400	8500	10000	0.180
16011	55	90	11	19500	14000	7500	9000	0.260
16012	60	95	11	19900	15000	6700	8000	0.280
16013	65	100	11	21200	16600	6300	7500	0.300
16014	70	110	13	28100	25000	6000	7000	0.430
16015	75	115	13	28600	27000	5600	6700	0.460
16016	80	125	14	33200	31500	5300	6300	0.600
16017	85	130	14	33800	33500	5000	6000	0.630
16018	90	140	16	41600	39000	4800	5600	0.850
16019	95	145	16	42300	41500	4500	5300	0.860
16020	100	150	16	44200	44000	4300	5000	0.910
16021	105	160	18	52000	51000	4000	4800	1.200
16022	110	170	19	57200	57000	3800	4500	1.450
16024	120	180	19	60500	64000	3400	4000	1.600
16026	130	200	22	79300	81500	3200	3800	2.350

For stainless steel,add an "SS" prefix to part number.
不锈钢轴承请在型号前面加 “SS” 。

微型深沟球轴承

MINIATURE BALL BEARINGS



轴承型号 Bearing NO.	孔径 Bore d mm	外径 O.D D mm	宽度 Width B mm	倒角 Chamfer r min mm	钢球参数 Ball Complement		额定载荷 (KN) Load Rating	
					NO.	Size mm	Dynamic Cr	Static Cor
R168	6.350	9.525	3.175	0.1			0.268	0.136
R188	6.350	12.700	3.175	0.15	8	1.588	0.830	0.370
R4	6.350	15.875	4.978	0.3	8	2.381	1.136	0.558
R4A	6.350	19.050	7.14	0.4	6	3.969	2.175	1.163
R6	9.525	22.225	5.556	0.4	7	3.969	2.560	1.350
R8R	12.700	28.575	6.350	0.4	8	4.762	3.930	2.230
R8-7	11.113	28.575	6.350	0.4	8	4.762	3.912	2.245
R10	15.875	34.925	7.142	0.6	10	4.762	4.620	2.790
R12	19.050	41.275	7.938	0.6	9	6.350	7.240	4.463
99502H	15.875	34.925	7.938	0.8	8	5.593	4.605	2.774
R14	22.225	47.625	9.525	0.6	10	6.350	7.740	4.960
R16	25.400	50.800	9.525	0.6	10	6.747	7.740	5.160
R18	28.575	53.975	9.525	0.6	9	7.938	10.180	6.910
R3	4.763	12.7	3.967	0.3	8	2.0	1.301	0.488
R133	2.380	4.763	3.175	0.3	8	1.588	1.89	0.6
R166	4.763	9.525	3.0	0.3	8	2.0	0.709	0.272
MR126	6	12	3.0	0.2	7	2.0	0.715	0.292
MR106	6	10	3.0	0.2	7	2.0	0.496	0.218
MR117	7	11	3.5	0.2	7	2.0	0.455	0.202
MR128	8	12	4.0	0.2	8	2.381	0.543	0.274
MR148	8	14	4.0	0.2	8	2.381	0.817	0.386
MR115	5	11	4.0	0.3	8	2.381	0.716	0.282
MR105	5	10		0.3	8	2.381	0.431	0.169

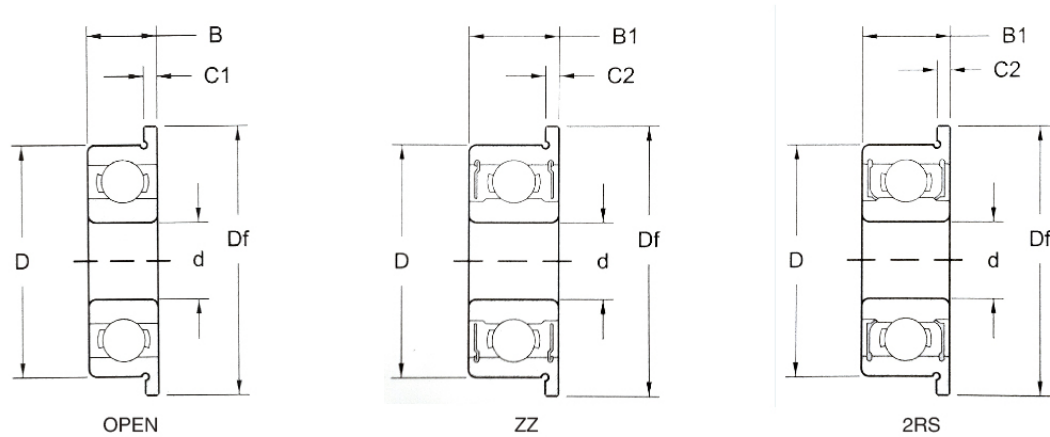
For stainless steel,add an "SS" prefix to part number.
不锈钢轴承请在型号前面加“SS”。

轴承型号 Bearing NO.	孔径 Bore d mm	外径 O.D D mm	宽度 Width B mm	倒角 Chamfer r min mm	钢球参数 Ball Complement		额定载荷 (KN) Load Rating		极限转速 (转/分) Limiting speed		重量 Weight (kg)
					NO.	Size mm	Dynamic Cr	Static Cor	Grease r/min	Oil r/min	
603	3	9	5	0.2	7	2	1.89	5.71	28000	36000	0.0143
604	4	12	4	0.2	7	2	3.5	9.57	28000	36000	0.0234
605	5	14	5	0.2	8	2	1.33	0.505	39000	46000	0.0035
606	6	17	6	0.3	6	3.175	1.95	0.72	30000	38000	0.0057
607	7	19	6	0.3	7	3.175	2.88	1.08	28000	36000	0.0071
608	8	22	7	0.3	7	3.969	3.32	1.38	26000	34000	0.011
609	9	24	7	0.3	7	3.969	3.35	1.40	22000	30000	0.014
623	3	10	4	0.2	7	1.588	0.50	0.2156	38000	48000	0.0015
624	4	13	5	0.3	6	2.381	1.15	0.4	36000	45000	0.0032
625	5	16	5	0.3	8	2.381	1.88	0.68	32000	40000	0.0048
626	6	19	6	0.3	7	3.175	2.80	1.05	28000	36000	0.0075
627	7	22	7	0.3	7	3.969	3.28	1.35	26000	34000	0.012
628	8	24	8	0.3	7	3.969	3.35	1.40	24000	32000	0.017
629	9	26	8	0.3	7	4.763	4.45	1.95	22000	30000	0.019
634	4	16	5	0.3	8	2.381	1.447	0.745	32000	40000	0.0049
635	5	19	6	0.3	6	3.969	2.161	1.163	28000	36000	0.0073
683	3	7	3	0.1	7	1.20	0.30	0.12	45000	53000	0.00045
684	4	9	4	0.1	7	1.588	0.50	0.22	39000	48000	0.0009
685	5	11	3	0.2	9	1.588	0.547	0.253	35000	45000	0.0011
686	6	13	3.5	0.2	8	2.0	0.331	0.4	33000	42000	0.0019
687	7	14	3.5	0.2	9	2.0	0.898	0.458	31000	40000	0.0021
688	8	16	4	0.3	9	2.381	1.378	0.711	29000	38000	0.0031
689	9	17	4	0.3	9	2.381	1.378	0.711	28000	36000	0.0032
693	3	8	3	0.15	6	1.588	0.56	0.18	54000	63000	0.0006
W693	3	8	4	0.15	6	1.588	0.56	0.18	54000	63000	0.0007
694	4	11	4	0.15	7	2	0.715	0.276	45000	52000	0.0018
695	5	13	4	0.2	8	2.0	1.08	0.42	34000	43000	0.0024
696	6	15	5	0.2	8	2.381	1.48	0.60	32000	40000	0.0038
697	7	17	5	0.2	9	2.381	2.02	0.80	30000	38000	0.0052
698	8	19	6	0.3	7	3.175	2.25	0.92	28000	36000	0.0073
699	9	20	6	0.3	9	2.381	2.48	1.08	27000	34000	0.0082

For stainless steel,add an "SS" prefix to part number.
不锈钢轴承请在型号前面加“SS”。

法兰轴承

FLANGE BEARINGS



LMS Bearing Number	Bore (mm)	Outside Diameter (mm)		Width (mm)		Flange Dimensions (mm)		Basic Load Rating lbs	
				open	enclosed				
	d	D	Df	B	B1	C1	C2	Dynamic Cr	Static Cor
MF63	3	6	7.2	2	2.5	0.6	0.6	35	14
F683	3	7	8.1	2	3	0.5	0.8	66	29
MF83	3	8	9.2	2.5	—	0.6	—	64	24
F693	3	8	9.5	3	4	0.7	0.9	64	24
MF93	3	9	10.2*	2.5	4	0.6	0.8	99	42
F603	3	9	10.5	3	—	0.7	—	99	42
F623	3	10	11.5	4	4	1	1	99	42
MF74	4	7	8.2	2	2.5	0.6	0.6	58	25
MF84	4	8	9.2	2	3	0.6	0.6	88	33
F684	4	9	10.3	2.5	4	0.6	1	99	42
MF104	4	10	11.2*	3	4	0.6	0.8	99	42
F694	4	11	12.5	4	4	1	1	123	57
F604	4	12	13.5	4	4	1	1	167	77
F624	4	13	15	5	5	1	1	224	108
F634	4	16	18	5	5	1	1	300	140
MF85	5	8	9.2	2	2.5	0.6	0.6	62	31
MF95	5	9	10.2	2.5	3	0.6	0.6	112	46

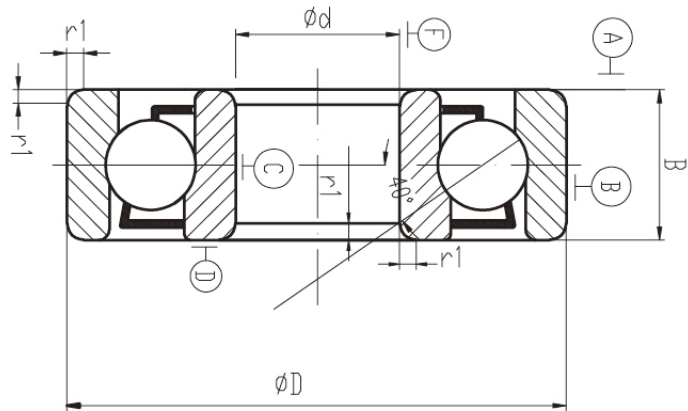
For stainless steel, add an "SS" prefix to part number.
不锈钢轴承请在型号前面加“SS”。

LMS Bearing Number	Bore (mm)	Outside Diameter (mm)		Width (mm)		Flange Dimensions (mm)		Basic Load Rating lbs	
				open	enclosed				
	d	D	Df	B	B1	C1	C2	Dynamic Cr	Static Cor
MF105	5	10	11.2*	3	4	0.6	0.8	115	55
MF115	5	11	12.6	—	4	—	0.8	123	57
F685	5	11	12.5	3	5	0.8	1	123	57
F695	5	13	15	4	4	1	1	187	90
F605	5	14	16	5	5	1	1	229	110
F625	5	16	18	5	5	1	1	300	140
F635	5	19	22	6	6	1.5	1.5	400	190
MF106	6	10	11.2	2.5	3	0.6	0.6	123	57
MF126	6	12	13.2*	3	4	0.6	0.8	187	82
F686	6	13	15	3.5	5	1	1.1	187	90
F696	6	15	17	5	5	1.2	1.2	300	140
F606	6	17	19	6	6	1.2	1.2	300	140
F626	6	19	22	6	6	1.5	1.5	400	190
MF117	7	11	12.2	2.5	3	0.6	0.6	101	46
MF137	7	13	14.2*	3	4	0.6	0.8	198	88
F687	7	14	16	3.5	5	1	1.1	202	103
F697	7	17	19	5	5	1.2	1.2	235	120
F607	7	19	22	6	6	1.5	1.5	385	180
F627	7	22	25	7	7	1.5	1.5	580	290
MF128	8	12	13.2*	2.5	3.5	0.6	0.8	115	57
MF148	8	14	15.6	3.5	4	0.8	0.8	198	88
F688	8	16	18	4	5	1	1.1	310	160
F698	8	19	22	6	6	1.5	1.5	285	145
F608	8	22	25	7	7	1.5	1.5	580	290
F689	9	17	19	4	5	1	1.1	310	143
F699	9	20	23	6	6	1.5	1.5	528	231
F609	9	24	27	7	7	1.5	1.5	580	280

For stainless steel, add an "SS" prefix to part number.
不锈钢轴承请在型号前面加“SS”。

单列角接触球轴承

SINGLE ROW ANGULAR CONTACT BALL BEARINGS

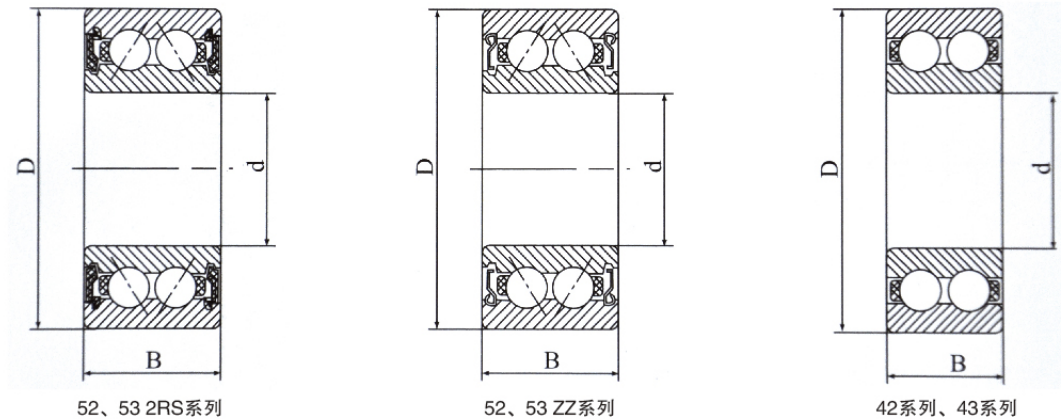


轴承代号 Bearing Number	内 径 d (mm)	外 径 D (mm)2	宽 度 B (mm)	额定载荷 (KN) Load Rating			重 量 Weight (kg)
				Contact Angle	Cr (kN)	Cor (kN)	
7000C	10	26	8	15	4.1	1.96	0.02
7000AC	10	26	8	25	4.65	2.15	0.02
7000B	10	26	8	40	5.2	2.45	0.02
7200C	10	30	9	15	5.1	2.38	0.037
7200AC	10	30	9	25	5.75	2.65	0.037
7200B	10	30	9	40	6.48	3	0.037
7300C	10	35	11	15	6.85	3.62	0.048
7300AC	10	35	11	25	7.7	4.03	0.048
7300B	10	35	11	40	8.68	4.55	0.048
7400C	10	26	8	15	5.1	2.38	0.022
7400AC	10	26	8	25	5.74	2.65	0.022
7400B	10	26	8	40	6.46	2.99	0.022
7500C	10	26	8	15	5.35	2.5	0.023
7500AC	10	26	8	25	6.02	2.78	0.023
7500B	10	26	8	40	6.78	3.14	0.023
7600C	10	26	8	15	5.6	2.62	0.024
7600AC	10	26	8	25	6.3	2.92	0.024
7600B	10	26	8	40	7.1	3.29	0.024
7700C	10	26	8	15	5.85	2.74	0.025
7700AC	10	26	8	25	6.58	3.05	0.025
7700B	10	26	8	40	7.41	3.44	0.025
7800C	10	26	8	15	6.1	2.86	0.026
7800AC	10	26	8	25	6.86	3.18	0.026
7800B	10	26	8	40	7.73	3.59	0.026
7900C	10	22	6	15	3.35	1.61	0.015
7900AC	10	22	6	25	3.77	1.79	0.015
7900B	10	22	6	40	4.25	2.02	0.015

For stainless steel,add an "SS" prefix to part number.
不锈钢轴承请在型号前面加 "SS" 。

双列角接触球轴承

DOUBLE ROW ANGULAR CONTACT BALL BEARINGS



轴承代号 Bearing Number			基本尺寸 (mm) Principal Dimensions			基本额定负荷 (KN) Basic Ratings		重 量 (kg) Weight
基本代号 P/ NO.	带防尘盖型 Shielded	带密封圈型 Sealed	d	D	B	Cr	Cor	
5200	ZZ	2RS	10	30	14	7410	4300	0.051
5300	ZZ	2RS		35	19	10100	5600	0.092
5201	ZZ	2RS	12	32	15.9	10100	5600	0.058
5301	ZZ	2RS		37	19	13000	7300	0.109
5202	ZZ	2RS	15	35	15.9	11200	6800	0.066
5302	ZZ	2RS		42	19	15100	9150	0.130
5203	ZZ	2RS	17	40	17.5	14000	8650	0.096
5303	ZZ	2RS		47	22.2	21200	12500	0.180
5204	ZZ	2RS	20	47	20.6	18600	12000	0.160
5304	ZZ	2RS		52	22.2	22100	14300	0.220
5205	ZZ	2RS	25	52	20.6	20300	14000	0.180
5305	ZZ	2RS		62	25.4	31200	20800	0.350
5206	ZZ	2RS	30	62	23.8	28100	20000	0.290
5306	ZZ	2RS		72	30.2	41000	28500	0.530
5207	ZZ	2RS	35	72	27	37100	27500	0.440
5307	ZZ	2RS		80	34.9	48800	34000	0.730
5208	ZZ	2RS	40	80	30.2	44900	33500	0.580
5308	ZZ	2RS		90	36.5	59200	43000	0.950

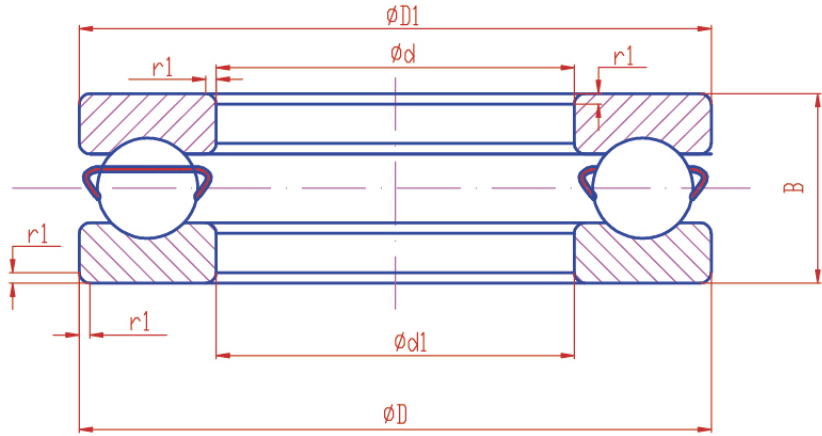
For stainless steel,add an "SS" prefix to part number.
不锈钢轴承请在型号前面加 "SS" 。

轴承代号 Bearing Number	基本尺寸 (mm) Principal Dimensions			基本额定负荷 (KN) Basic Ratings		重量 (kg) Weight
	d	D	B	Cr	Cor	
4200A	10	30	14	9230	5200	0.049
4201A	12	32	14	10600	6200	0.053
4301A		37	17	13000	7800	0.092
4202A	15	35	14	11900	7500	0.059
4302A		42	17	14800	9500	0.120
4203A	17	40	16	14800	9500	0.090
4303A		47	19	19500	13200	0.160
4204A	20	47	18	17800	12500	0.140
4304A		52	21	23400	16000	0.210
4205A	25	52	18	19000	14600	0.160
4305A		62	24	31900	22400	0.340
4206A	30	62	20	26000	20800	0.260
4306A		72	27	41000	30000	0.500
4207A	35	72	23	35100	28500	0.400
4307A		80	31	50700	38000	0.690
4208A	40	80	23	37100	32500	0.500
4308A		90	33	55900	45000	0.950
4209A	45	85	23	39000	36000	0.540
4309A		100	36	68900	56000	1.250
4210A	50	90	23	41000	40000	0.580
4310A		110	40	81900	69500	1.700
4211A	55	100	25	44900	44000	0.800
4311A		120	43	97500	83000	2.150
4212A	60	110	28	57200	55000	1.100
4312A		130	46	112000	98000	2.650
4213A	65	120	31	67600	67000	1.450
4313A		140	48	121000	106000	3.250
4214A	70	125	31	70200	73500	1.500
4215A	75	130	31	72800	80000	1.600
4216A	80	140	33	80600	90000	2.000

For stainless steel,add an "SS" prefix to part number.
不锈钢轴承请在型号前面加“SS”。

推力球轴承

THRUST BALL BEARINGS



轴承代号 Bearing Number	基本尺寸 (mm) Principal Dimensions			基本额定负荷 (KN) Basic Ratings	
	d	D	B	Cr	Cor
51100	10 mm	24 mm	9 mm	10000	14000
51101	12 mm	26 mm	9 mm	10300	15400
51102	15 mm	28 mm	9 mm	10500	16800
51103	17 mm	30 mm	9 mm	10800	18200
51104	20 mm	35 mm	10 mm	14900	26600
51105	25 mm	42 mm	11 mm	15300	30400
51106	30 mm	47 mm	11 mm	18600	39900
51107	35 mm	52 mm	12 mm	19100	44400
51108	40 mm	60 mm	13 mm	26800	62900
51109	45 mm	65 mm	14 mm	27200	69200
51110	50 mm	70 mm	14 mm	28100	75500
51111	55 mm	78 mm	16 mm	31100	81500
51112	60 mm	85 mm	17 mm	37900	98600
51113	65 mm	90 mm	18 mm	39200	108000
51114	70 mm	95 mm	18 mm	39300	113000
51115	75 mm	100 mm	19 mm	47200	140000
51116	80 mm	105 mm	19 mm	48500	145000
51117	85 mm	110 mm	19 mm	48000	151000
51118	90 mm	120 mm	22 mm	62300	190000
51120	100 mm	135 mm	25 mm	79300	248000
51122	110 mm	145 mm	25 mm	82600	278000

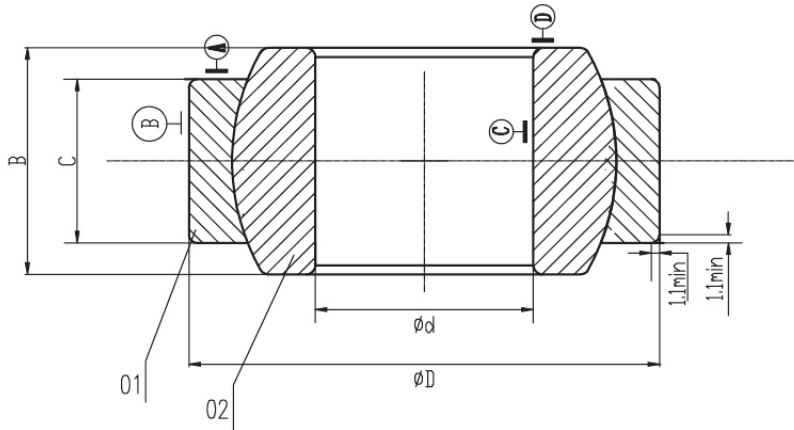
For stainless steel,add an "SS" prefix to part number.
不锈钢轴承请在型号前面加“SS”。

轴承代号 Bearing Number	基本尺寸 (mm) Principal Dimensions			基本额定负荷 (KN) Basic Ratings	
	d	D	B	Cr	Cor
51124	120 mm	155 mm	25 mm	84500	288000
51124M	120 mm	155 mm	25 mm	84500	288000
51200	10 mm	26 mm	11 mm	12600	17100
51201	12 mm	28 mm	11 mm	13000	19000
51202	15 mm	32 mm	12 mm	15600	24400
51203	17 mm	35 mm	12 mm	17100	27300
51204	20 mm	40 mm	14 mm	22100	37700
51205	25 mm	47 mm	15 mm	27800	50500
51206	30 mm	52 mm	16 mm	28100	54300
51207	35 mm	62 mm	18 mm	38800	78200
51208	40 mm	68 mm	19 mm	46900	98300
51209	45 mm	73 mm	20 mm	49300	112000
51210	50 mm	78 mm	22 mm	56300	129000
51211	55 mm	90 mm	25 mm	68800	159000
51212	60 mm	95 mm	26 mm	70400	169000
51213	65 mm	100 mm	27 mm	78500	191000
51214	70 mm	105 mm	27 mm	72800	189000
51215	75 mm	110 mm	27 mm	73700	199000
51216	80 mm	115 mm	28 mm	76100	209000
51217	85 mm	125 mm	31 mm	94100	264000
51218	90 mm	135 mm	35 mm	127000	338000
51220	100 mm	150 mm	38 mm	149000	402000
51220M	100 mm	150 mm	38 mm	143000	380000
51222	110 mm	160 mm	38 mm	156000	447000
51222M	110 mm	160 mm	38 mm	151000	425000
51224	120 mm	170 mm	39 mm	170000	509000
51305	25 mm	52 mm	18 mm	35400	61500
51306	30 mm	60 mm	21 mm	42200	78700
51307	35 mm	68 mm	24 mm	55400	105000
51308	40 mm	78 mm	26 mm	68400	135000
51309	45 mm	85 mm	28 mm	78900	164000
51310	50 mm	95 mm	31 mm	95300	202000
51405	25 mm	60 mm	24 mm	55000	89400
51406M	30 mm	70 mm	28 mm	67300	113000
51407	35 mm	80 mm	32 mm	86300	155000
51407M	35 mm	80 mm	32 mm	80500	140000
51408M	40 mm	90 mm	36 mm	105000	185000
51409	45 mm	100 mm	39 mm	140000	262000
51409M	45 mm	100 mm	39 mm	131000	236000
51410M	50 mm	110 mm	43 mm	148000	274000

For stainless steel,add an "SS" prefix to part number.
不锈钢轴承请在型号前面加 “SS” 。

关节轴承

SPHERICAL PLAIN BEARINGS

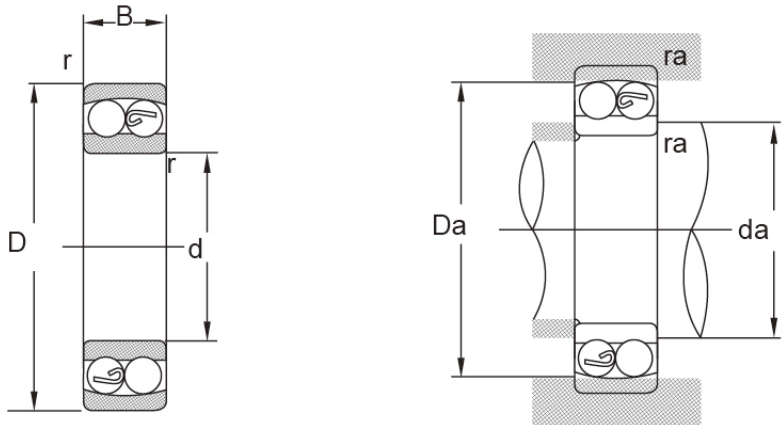


轴承代号 Bearing Number	内 径 d	外 径 D2	宽 度 B	额定载荷 (KN) Load Rating			极限转速 (转/分) Limiting speed	角 度 Angle
				C	Cr	Cor		
GEZ-004SS	4	12	6	4	1	0.7	2800	±30
GEZ-006SS	6	16	7	5	1.8	1.3	2600	±30
GEZ-008SS	8	19	8	6	2.7	2.1	2400	±30
GEZ-010SS	10	22	9	7	3.8	3	2200	±30
GEZ-012SS	12	26	10	8	5.2	4.2	2000	±30
GEZ-015SS	15	30	11	9	7.1	5.8	1800	±30
GEZ-020SS	20	35	12	10	9.6	8	1600	±30
GEZ-025SS	25	42	14	12	13.4	11.5	1400	±30
GEG-012SS	12	28	11	9	6.3	5.5	1800	±40
GEG-015SS	15	32	12	10	8.8	7.8	1600	±40
GEG-020SS	20	38	14	12	12.6	11.6	1400	±40
GEG-025SS	25	45	16	14	17.6	16.6	1200	±40
GEE-012SS	12	26	10	8	5.5	4.5	1900	±25
GEE-015SS	15	30	11	9	7.6	6.6	1700	±25
GEE-020SS	20	35	12	10	10.8	9.8	1500	±25
GEE-025SS	25	42	14	12	15.2	14.2	1300	±25
GEH-020SS	20	42	16	12	13.5	12.5	1400	±20
GEH-025SS	25	47	18	14	18.5	17.5	1200	±20
GEC-020SS	20	35	10	8	8.5	7.5	1600	±15
GEC-025SS	25	42	12	10	12.5	11.5	1400	±15
GEC-030SS	30	47	14	12	17	16	1200	±15
GEC-035SS	35	55	16	14	22.5	21.5	1000	±15
SIB-1012SS	10	24	12	8	3.2	2.7	1600	±15
SIB-1214SS	12	26	14	9	4.4	3.9	1500	±15
SIB-1416SS	14	30	16	11	6.3	5.7	1400	±15
SIB-1618SS	16	32	18	12	8.2	7.6	1300	±15
SIB-8085SS	80	125	85	64	220	219.4	260	±15
SAW-0408SS	8	22	14	9	3.8	3.2	1300	±25
SAW-0410SS	10	24	15	10	5.2	4.6	1200	±25
SAW-0412SS	12	28	16	11	7.1	6.4	1100	±25
SAW-0415SS	15	32	18	13	10.1	9.4	1000	±25
SAW-0420SS	20	40	22	16	15.5	14.8	900	±25
SAW-0425SS	25	47	25	19	21.8	21.1	800	±25
SAW-0430SS	30	55	28	22	29.8	29.1	700	±25
SAW-0435SS	35	62	30	24	37.8	37.1	600	±25

For stainless steel,add an "SS" prefix to part number.
不锈钢轴承请在型号前面加 “SS” 。

调心球轴承

SELF ALIGNING BALL BEARINGS

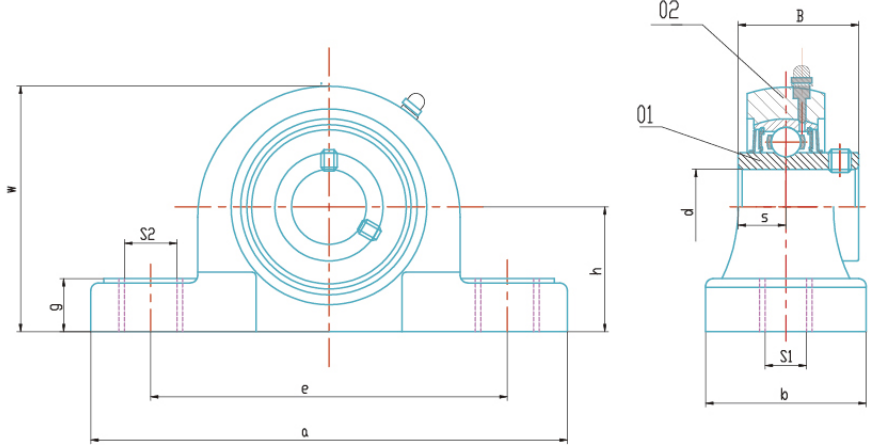


轴承型号 Bearing No.	外形尺寸 (mm) Boundary dimension(mm)				重量 mass		
	d	D	B	r (min)	(Kg) 参考 refer		
					ZrO2	Si3N4	SiSi440C
1200	10	30	9	0.6	0.026	0.014	0.034
1201	12	32	10	0.6	0.031	0.016	0.04
1202	15	35	11	0.6	0.038	0.020	0.049
1203	17	40	12	0.6	0.056	0.030	0.073
1204	20	47	14	1	0.09	0.049	0.12
1205	25	52	15	1	0.11	0.058	0.14
1206	30	62	16	1	0.17	0.090	0.22
1207	35	72	17	1.1	0.25	0.13	0.32
1208	40	80	18	1.1	0.32	0.17	0.42
1209	45	85	19	1.1	0.36	0.19	0.47
1210	50	90	20	1.1	0.40	0.22	0.53

For stainless steel,add an "SS" prefix to part number.
不锈钢轴承请在型号前面加“SS”。

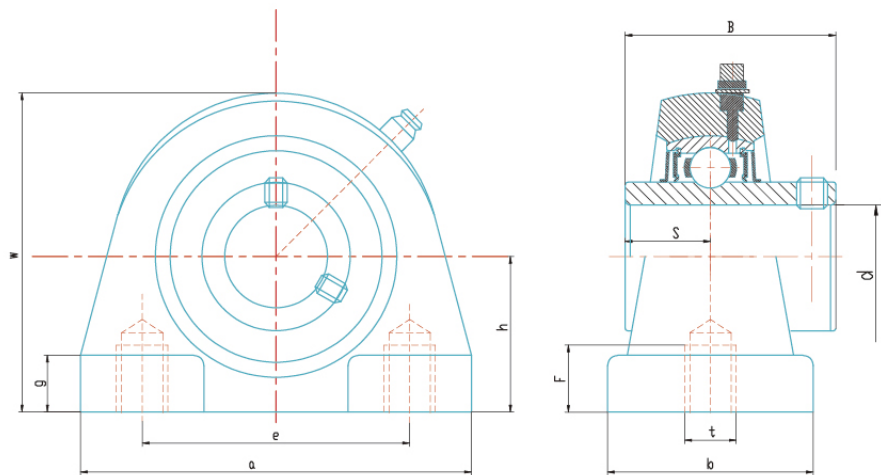
不锈钢带座外球面轴承

STAINLESS STEEL BEARING UNITS



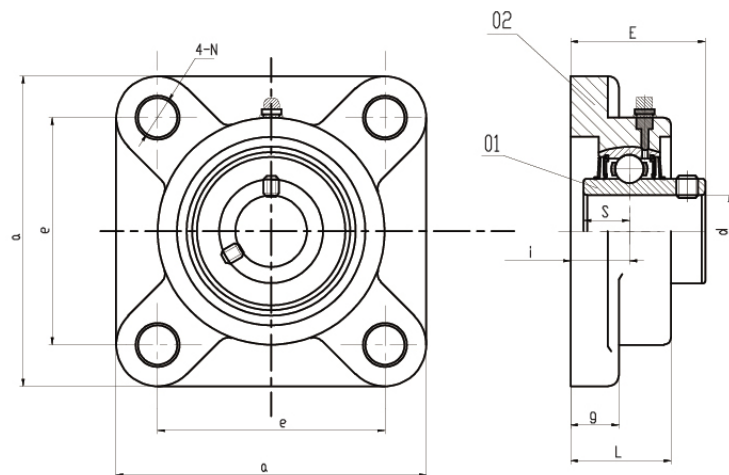
带座 轴承型号 Bearing Unit No.	轴 径 Bore Dia		外形尺寸 (毫米) Dimensions(mm)										轴 承 Bearing No.	轴承座 Housing No.	重 量 Weight (kg)										
	d		h	a	e	b	S ₁	S ₂	g	W	S	B													
	in	mm																							
SUCP201	1/2	12	33.3	127	96	36	13	19	13	60	12.7	31	SUC201	SP203	0.75										
SUCP201-8		5/8											15			SUC201-8									
SUCP202													SUC202												
SUCP202-10	SUC202-10																								
SUCP203	SUC203																								
SUCP203-11	11/16	17	SUC203-11	SUC204	SP204	0.73																			
SUCP204	3/4	20	SUC204																						
SUCP204-12		20	SUC204-12																						
SUCP205	7/8	25	36.5	140	105	38	13	19	15	71	14.3	34.1	SUC205	SP205	0.91										
SUCP205-14		15/16											SUC205-14												
SUCP205-15													SUC205-15												
SUCP205-16	SUC205-16																								
SUCP206	1-1/16												30			SUC206	SP206	1.32							
SUCP206-17		42.9	165	121	48	17	21	17	83	15.9	38.1	SUC206-17													
SUCP206-18		1-1/8	SUC206-18																						
SUCP206-19		1-3/16	SUC206-19																						
SUCP206-20		1-1/4	SUC206-20																						
SUCP207	1-1/4	35	47.6	167	127	48	17	21	18	93	17.5	42.9	SUC207	SP207	1.72										
SUCP207-20		1-5/16											SUC207-20												
SUCP207-21		1-3/8											SUC207-21												
SUCP207-22		1-7/16											SUC207-22												
SUCP207-23		SUC207-23																							
SUCP208	1-1/2	40	49.2	184	137	54	17	23	18	98	19.0	49.2	SUC208	SP208	2.14										
SUCP208-24		1-9/16											SUC208-24												
SUCP208-25		SUC208-25																							
SUCP209	1-5/8	45											54.0	190	146	54	17	23	20	106	19.0	49.2	SUC209	SP209	2.45
SUCP209-26		1-11/16																					SUC209-26		
SUCP209-27		1-3/4	SUC209-27																						
SUCP209-28		SUC209-28																							
SUCP210	1-13/16	50	57.2	206	159	60	20	25	21	114	19.0	51.6											SUC210	SP210	3.10
SUCP210-29		1-7/8											SUC210-29												
SUCP210-30		1-15/16											SUC210-30												
SUCP210-31		SUC210-31																							
SUCP210-32	2	SUC210-32																							

For stainless steel,add an "SS" prefix to part number.
不锈钢轴承请在型号前面加“SS”。



带座 轴承型号 Bearing Unit No.	轴 径 Bore Dia		外形尺寸 (毫 米) Dimensions(mm)										轴 承 Bearing No.	轴承座 Housing No.	重 量 Weight (kg)
	d		h	a	e	b	g	W	F	t	S	B			
	in	mm													
SUCPA201	1/2	12											SUC201		
SUCPA201-8													SUC201-8		
SUCPA202	5/8	15	30.2	76	52	40	11	62	13	M10	12.7	31	SUC202	SPA203	0.60
SUCPA202-10													SUC202-10		
SUCPA203	11/16	17											SUC203		
SUCPA203-11													SUC203-11		
SUCPA204	3/4	20	30.2	76	52	40	11	62	13	M10	12.7	31	SUC204	SPA204	0.57
SUCPA204-12													SUC204-12		
SUCPA205	7/8	25	36.5	84	56	45	12	72	15	M10	14.3	34.1	SUC205	SPA205	0.81
SUCPA205-14													SUC205-14		
SUCPA205-15	15/16												SUC205-15		
SUCPA205-16	1												SUC205-16		
SUCPA206	1-1/16	30	42.9	94	66	50	12	84	18	M14	15.9	38.1	SUC206	SPA206	1.17
SUCPA206-17													SUC206-17		
SUCPA206-18	1-1/8												SUC206-18		
SUCPA206-19	1-3/16												SUC206-19		
SUCPA206-20	1-1/4												SUC206-20		
SUCPA207	1-1/4	35	47.6	110	80	55	13	95	20	M14	17.5	42.9	SUC207	SPA207	1.65
SUCPA207-20													SUC207-20		
SUCPA207-21	1-5/16												SUC207-21		
SUCPA207-22	1-3/8												SUC207-22		
SUCPA207-23	1-7/16												SUC207-23		
SUCPA208	1-1/2	40	49.2	116	84	58	13	100	20	M14	19.0	49.2	SUC208	SPA208	1.90
SUCPA208-24													SUC208-24		
SUCPA208-25	1-9/16												SUC208-25		
SUCPA209	1-5/8	45	54.2	120	90	60	13	108	25	M14	19.0	19.2	SUC209	SPA209	2.17
SUCPA209-26													SUC209-26		
SUCPA209-27	1-11/16												SUC209-27		
SUCPA209-28	1-3/4												SUC209-28		
SUCPA210	1-13/16	50	57.2	130	94	64	14	116	25	M16	19.0	51.6	SUC210	SPA210	2.73
SUCPA210-29													SUC210-29		
SUCPA210-30	1-7/8												SUC210-30		
SUCPA210-31	1-15/16												SUC210-31		
SUCPA210-32	2												SUC210-32		

For stainless steel,add an "SS" prefix to part number.
 不锈钢轴承请在型号前面加“SS”。



带座 轴承型号 Bearing Unit No.	轴 径 Bore Dia		外形尺寸 (毫米) Dimensions(mm)								轴 承 Bearing No.	轴承座 Housing No.	重 量 Weight (kg)
	d		a	e	i	g	L	N	E	S			
	in	mm											
SUCF201	1/2	12	86	64	15	11	25.5	12	33.3	12.7	SUC201	SF203	1.00
SUCF201-8		15									SUC201-8		
SUCF202		17									SUC202		
SUCF202-10	5/8	17	86	64	15	11	25.5	12	33.3	12.7	SUC202-10	SF203	1.00
SUCF203	SUC203												
SUCF203-11	11/16										SUC203-11		
SUCF204	3/4	20	86	64	15	12	25.5	12	33.3	12.7	SUC204	SF204	0.95
SUCF204-12		SUC204-12											
SUCF205		25									SUC205		
SUCF205-14	7/8	25	95	70	16	14	27	12	35.8	14.3	SUC205-14	SF205	1.20
SUCF205-15	15/16										SUC205-15		
SUCF205-16	1										SUC205-16		
SUCF206	1-1/16	30	108	83	18	14.3	31	12	40.2	15.9	SUC206	SF206	1.89
SUCF206-17											SUC206-17		
SUCF206-18											SUC206-18		
SUCF206-19	1-3/16	35	117	92	19	15.5	34	14	44.4	17.5	SUC206-19	SF207	2.39
SUCF206-20	1-1/4										SUC206-20		
SUCF207	1-1/4										SUC207		
SUCF207-20	1-5/16	40	130	102	21	15.5	36	16	51.2	19.0	SUC207-20	SF208	2.79
SUCF207-21	1-3/8										SUC207-21		
SUCF207-22	1-7/16										SUC207-22		
SUCF207-23	1-3/8	45	137	105	22	17.5	38	16	52.2	19.0	SUC207-23	SF209	3.18
SUCF208	1-1/2										SUC208		
SUCF208-24	1-9/16										SUC208-24		
SUCF208-25	1-11/16	50	143	111	22	17.5	40	16	54.6	19.0	SUC208-25	SF210	3.68
SUCF209	1-5/8										SUC209		
SUCF209-26	1-3/4										SUC209-26		
SUCF209-27	1-11/16	50	143	111	22	17.5	40	16	54.6	19.0	SUC209-27	SF210	3.68
SUCF209-28	1-3/4										SUC209-28		
SUCF210	1-13/16										SUC210		
SUCF210-29	1-7/8	50	143	111	22	17.5	40	16	54.6	19.0	SUC210-29	SF210	3.68
SUCF210-30	1-15/16										SUC210-30		
SUCF210-31	2										SUC210-31		
SUCF210-32	2										SUC210-32		

材料和精度

MATERIALS AND ACCURACY

- 轴承钢化学成分参考表1

■ 轴承各个国家标识参考表2

■ 不锈钢内外圈球保持架材料参考表3

■ 不锈钢化学成分参考表4

■ 轴承精度参考表5
- The bearing steel chemical composition see table 1

■ The contrast of bearing steel No. of each country. see table 2

■ The material of rings,ball,cage of stainless steel bearing see table 3

■ The stainless steel chemical composition see table 4

■ The contrast of bearing accuracy see table 5

Table 1

Chemical Composition(%)									
No.	C	Mn	Si	Cr	S	P	Ni	Cu	HB
					<				
GCr15	0.95~1.05	0.20~0.4	0.15~0.35	1.30~1.65	0.020	0.027	0.3	0.25	170~207

Table 2

Country	China	ISO	U.S.A	Germany	Japan	Sweden
Bearing Steel NO.	GCr15	683/XVII1	(AISI)52100	(Din)100Cr6	(Jis) SUJ2	SKF3

Table 3

Rings material	AISI440C 9Cr18	AISI440B 9Cr18Mo	AISI304 1Cr18Ni9	AISI316 0Cr17Ni12Mo2
Ball material	AISI440C	AISI420	AISI316	AISI304
Cage material	AISI304	Nyion 尼龙66	密封圈RS防尘盖ZZ	ZZ AISI304

Table 4

No.	C%	Cr%	Si%	Mn%	S%	P%	Mo%	Ni%
AISI440C	0.90~1.05	17~19	≤0.8	≤0.7	≤0.03	≤0.035		
AISI440B	0.75~0.90	17~19	≤0.8	≤0.8	≤0.03	≤0.035	1~1.3	
AISI304(304L)	0.08(0.03)	18~20	≤1	≤2	≤0.03	≤0.035		8~10.5 (9~13)
AISI316(316L)	0.75~0.90	16~18	≤1	≤2	≤0.03	≤0.035	2~3	10~14
Material erosive resistance capacity:AISI316L > AISI304L > AISI316L > AISI304L > AISI440B > AISI440C								

Table 5

Country	Standard	Accuracy Grade				
China	GB307.1	0	6	5	4	2
International Standard Organization	ISO	0	6	5	4	2
Sweden	SKF	P0	P6	P5	P4	P2
Germany	DIN	P0	P6	P5	P4	P2
Japan	JIS	P0	P6	P5	P4	P2
U.S.A	ANSI	ABEC1	ABEC3	ABEC5	ABEC7	ABEC9

振动和噪声

VIBRATRON AND NOISE

- 深沟球轴承加速度振动值（dB）见表4

■ 深沟球轴承速度级，振动值（μm/s）见表5

■ Deep groove ball bearing acceleration vibration value (dB), see table 4

■ Deep groove ball bearing velocity vibration value (μm/s) see table 5

表4 单个轴承振动加速度级（dB）不超过

Table 5 Single bearing vibration speed grade can not be over the following values

d mm	6000 Series				6200 Series					6300 Series				
	Z	Z1	Z2	Z3	Z	Z1	Z2	Z3	Z4	Z	Z1	Z2	Z3	Z4
3	35	34	32	28	36	35	32	30	—	37	36	33	31	—
4	35	34	32	28	36	35	32	30	—	37	36	33	31	—
5	37	36	34	30	38	37	34	32	—	39	37	35	33	—
6	37	36	34	30	38	37	34	32	—	39	37	35	33	—
7	39	38	35	31	40	38	36	34	—	—	—	—	—	—
8	39	38	35	31	40	38	36	34	—	—	—	—	—	—
9	41	40	36	32	42	40	37	35	—	—	—	—	—	—
10	43	42	38	33	44	42	39	35	30	46	44	40	37	32
12	44	43	39	34	45	43	39	35	30	47	45	40	37	32
15	45	44	40	35	46	44	41	36	31	48	46	42	38	33
17	46	44	40	35	47	45	41	36	31	49	47	42	38	33
20	47	45	41	36	48	46	42	38	33	50	48	43	39	34
22	47	45	41	36	48	46	42	38	33	50	48	43	39	34
25	48	46	42	38	49	47	43	40	36	51	49	44	41	37
28	49	47	43	39	50	48	44	41	37	52	50	45	42	38
30	49	47	43	39	50	48	44	41	37	52	50	45	42	38
32	50	48	44	40	51	49	45	42	38	52	51	46	43	39
35	51	49	45	41	52	50	46	43	39	54	52	47	44	40
40	42	51	46	42	54	52	47	44	40	56	54	49	45	41
45	55	42	48	45	56	54	49	46	43	58	56	51	47	44
50	57	54	50	47	58	55	51	48	45	60	57	52	49	46
55	59	56	52	49	60	57	52	50	47	72	59	54	51	48
60	61	58	54	51	72	59	54	51	48	64	61	56	52	49

表5 单个轴承振动速度级允许极限值

Table 5 Single bearing velocity vibration speed grade allowed the limit value μm/s

轴承公称 公称内径 Bore Diameter d mm	V1			V2			V3		
	低频带 Low Frequency	中频带 Medium Frequency	高频带 High Frequency	低频带 Low Frequency	中频带 Medium Frequency	高频带 High Frequency	低频带 Low Frequency	中频带 Medium Frequency	高频带 High Frequency
5	90	60	50	58	36	30	35	21	18
6	90	60	50	58	36	30	35	21	18
7	110	80	65	72	48	40	44	28	24
8	110	80	65	72	48	40	44	28	24
9	110	80	65	72	48	40	44	28	24
10	140	100	85	90	60	50	55	35	30
12	140	100	85	90	60	50	55	35	30
15	180	130	100	110	78	60	65	46	35
17	180	130	100	110	78	60	65	46	35
20	220	160	125	130	100	75	80	60	45
22	220	160	125	130	100	75	80	60	45
25	220	160	125	130	100	75	80	60	45
30	250	200	160	150	120	100	90	75	60
35	250	200	160	150	120	100	90	75	60
40	240	180	160	180	150	130	110	90	80
45	240	180	160	180	150	130	110	90	80
50	280	200	200	210	160	160	125	100	100

F&Q

常见问题解答

- 01: ZGBK 是否只生产不锈钢轴承?

Q01: Does ZGBK ONLY manufacture stainless steel bearings?

答: ZGBK 是特殊材料轴承的行业标杆。不锈钢轴承是我们的核心优势产品之一, 但 ZGBK 同时生产铬钢 (AISI 52100) 轴承、混合陶瓷轴承、塑料轴承等全系列产品。我们提供涵盖多种材质和型号的完整解决方案——从标准深沟球轴承到非标定制产品, 全面满足不同应用场景的需求。

A: ZGBK is the industry benchmark for special-material bearings. While stainless steel bearings are one of our core strengths, ZGBK also produces chrome steel (AISI 52100) bearings, hybrid ceramic bearings, plastic bearings, and a full range of other products. We offer complete solutions across multiple materials and models—from standard deep groove ball bearings to non-standard and custom-engineered products—meeting diverse application needs comprehensively.
- 02: ZGBK 是否提供工程技术支持?

Q02: Does ZGBK provide engineering or technical support?

答: 当然。我们拥有 15 年以上经验的资深工程师团队, 可直接为客户提供优化设计方案, 确保产品实现理想性能与成本效益的最佳平衡。

A: Absolutely. Our team of senior engineers with over 15 years of experience works directly with customers to deliver optimized design solutions, ensuring an ideal balance between performance and cost efficiency.
- 03: ZGBK 能否根据需求开发非标轴承?

Q03: Can ZGBK develop non-standard bearings upon request?

答: 可以。ZGBK 拥有专业的研发和工程团队, 能够根据您的图纸、样品或具体应用需求, 设计与生产非标定制轴承。从材料选型到精密测试, 我们确保为您的特殊项目提供性能可靠、交付快捷的全流程服务。

A: Yes. ZGBK has a professional R&D and engineering team capable of designing and manufacturing non-standard and customized bearings based on your drawings, samples, or specific application requirements. From material selection to precision testing, we ensure reliable performance and fast delivery for your special projects through a full-process service.
- 04: 最小起订量是多少?

Q04: What is your minimum order quantity (MOQ)?

答: 对于现有库存产品 (通常是标准型号), 我们不设最小起订量。但对于非标产品, 根据实际情况有最小起订量要求。

A: For products in existing inventory (typically standard models), there is no MOQ. However, for non-standard products, an MOQ may apply depending on the specific circumstances.
- 05: 产品的交货周期是多久?

Q05: What are your lead times?

答: 标准型号产品备有库存, 可在 15 天内发货。定制轴承的生产周期一般在订单确认后 55-75 天左右。

A: Standard models are available from stock and ship within 15 days. For customized bearings, the production lead time is generally 55-75 days after order confirmation.
- 06: 付款方式和运输条款是怎样的?

Q06: What are your payment and shipping terms?

答: 我们主要接受电汇 (T/T) 付款。同时支持余款与新订单合并支付。运输方式可根据客户需求选择海运、空运或快递配送。

A: Our standard payment method is T/T (wire transfer). We also support combined payments for balance settlements and new orders. Shipping can be arranged via sea, air, or express courier according to customer preference.

GLOBAL SALES NETWORK

全球销售网络

