



薄壁轴承系列 /Thin Section Bearings Series

什么是薄壁轴承 ,薄壁轴承系列产品 ,轴承是由高度和厚度(横截面)的限定数量设计而成 ,
以广泛的孔径范围制造每个等截面轴承 ;

大多数深沟球轴承 ,所有系列轴承的截面尺寸都不随内径增大而增大。

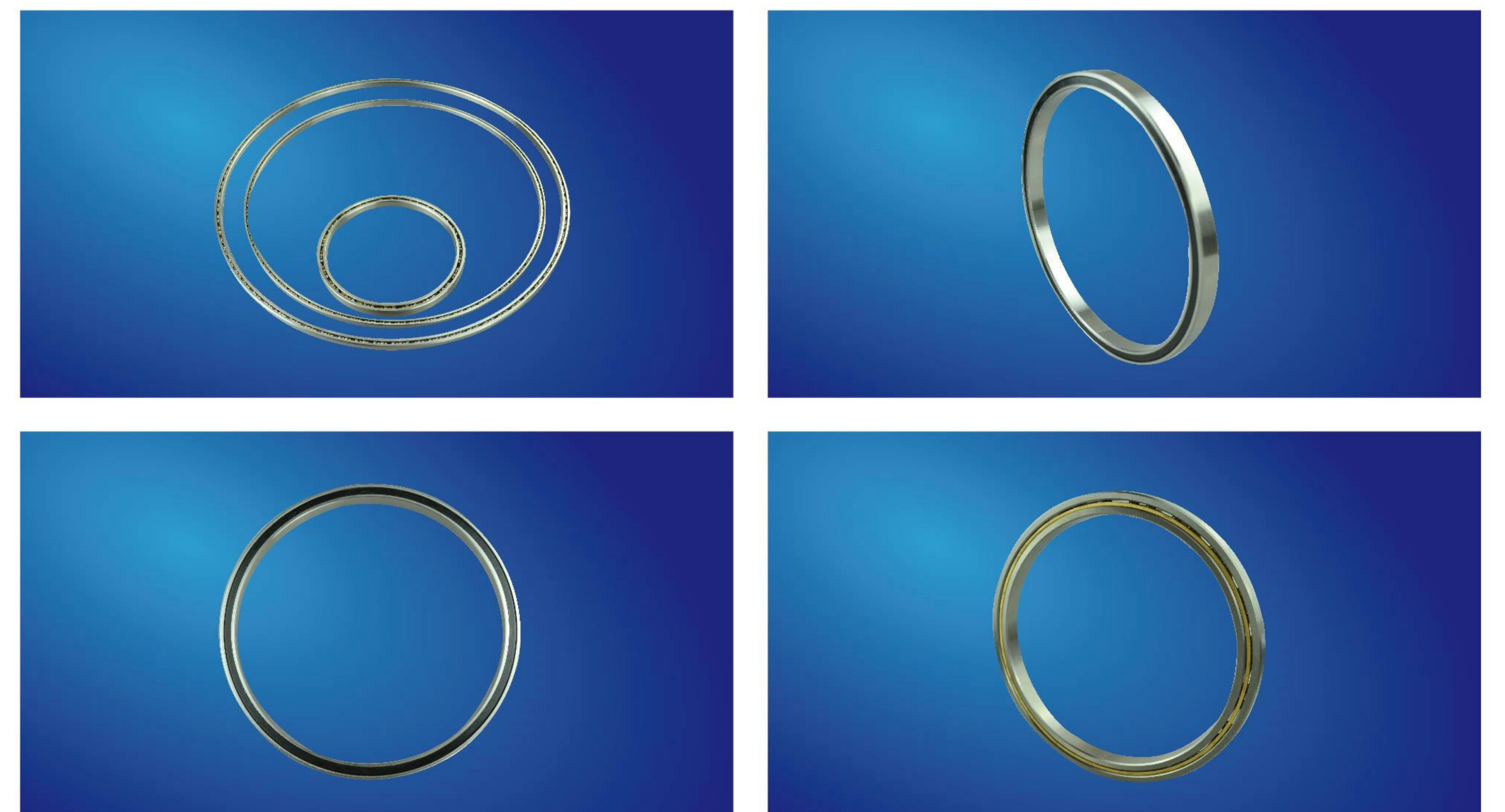
就薄壁轴承而言 ,当轴承孔径增加时 ,等截面保持不变。薄壁轴承系列整个由 9 大主要等截面组成 ,截面
变动范围由 4.763mm 到 25.4mm ,孔径变动范围由 25.4mm 到 1016mm ;

我司能提供截面范围 4.763mm ~ 25.4mm, 孔径变动范围 25.4mm~1016mm 的标准系列薄壁轴承
产品。

和标准的滚动轴承相比 ,大的内径与小的截面成比例 ,这样的组合使得这些部件显得“薄” ;我司薄壁轴承
由轴钢 GCr15 和 440C 不锈钢制造而成 ,我们也提供高温工具钢 (M-50) ,采用 G10 级以上的球用作
滚动体。

What is a thin Section Bearing? THIN SECTION bearings are a family of bearings designed from a limited number of widths and thicknesses (cross sections), with each cross section manufactured in a wide range of bore diameters. Most radial ball bearings are designed so that as the bore size increases, the width and the thickness of the bearing change proportionately. In the case of thin section bearings the cross section remains the same as the bore diameter increases. The thin section bearing family is made up of 9 primary cross section sets ranging from 3/16" to 1" and with bore sizes ranging from 1" to over 40". We provide a standard line that ranges from 1" to 30" and has cross sections from a 0.1875" to 1.000".

The combination of a large bore diameter in proportion to the small cross section makes these parts appear "thin" in comparison to standard ball bearings. Our thin section bearings are made from SAE 52100 or AISI SUC440C, we also provide high temperature tool steel (M-50). All bearings are built using Grade 10 balls or better, making a smoother running bearing. chrome steel and 440C stainless steel.



混合陶瓷球轴承 Hybrid ceramic ball bearing

标准系列高速主轴轴承



- 以ISO为标准的精密轴承系列，包含718系列,719系列,70系列，72系列
- 套圈：SUJ2日产轴承钢
- 滚动体：SUJ2日产轴承钢球
氮化硅陶瓷球
- 高速、高承载能力，适于脂润滑

B系列高速主轴轴承



- B70系列，轴承内部参数进行了特殊优化设计，内圈带斜坡
- 套圈：ZGCr15军甲轴承钢
- 滚动体：SUJ2日产轴承钢球
氮化硅陶瓷球
- 高速、超高速，适于油雾、油气润滑

H系列密封系列 超高速主轴轴承



- H70系列，通过轴承内部参数的解析优化设计，套圈双斜坡,应用于要求苛刻的高精高速加工场合中
- 套圈：ZGCr15军甲轴承钢
- 滚动体：SUJ2日产轴承钢球
氮化硅陶瓷球
- 高速、超高速，主要润滑方式有脂润滑和油润滑

H系列密封超高速主轴轴承



- 双面密封,终身油脂，包含H70-2RZ系列,719-2RZ系列，72-2RZ系列
- 套圈：ZGCr15军甲轴承钢
- 滚动体：SUJ2日产轴承钢球
氮化硅陶瓷球
- 超高速、高承载能力，适于脂润滑

高速牙钻轴承系列



- 高速角接触球轴承系列，精良制作可达45万转/每分稳定运转转速
- 高性能高强度的内外圈和滚动体，采用高耐腐，耐弱酸、弱碱的精炼不锈钢9Gr18,也可选用超硬陶瓷球（Si3N4）
- 自润滑的夹布胶木保持器,通过优化设计,极大提高轴承的转速和耐久性

其它部分型号轴承



- 高速雕刻机轴承KS628ZZ/P4，微光电子读数器三联轴承，风速传感器轴承，微电机轴承等
- 套圈：ZGCr15军甲轴承钢
- 滚动体：SUJ2日产轴承钢球
氮化硅陶瓷球
- 高速、超高速，主要润滑方式有脂润滑和油润滑

深沟球轴承系列 Deep groove ball bearings



轴承型号 Bearing No.	外形尺寸Boundary dimensions				Mass重量				轴承型号 Bearing No.	外形尺寸Boundary dimension				Mass重量			
	d	D	B	r (min)	(Kg) (参考) (refer)			d		D	B	r (min)	(Kg) (参考) (refer)				
683	3	7	2	0.1	0.00024	0.00013	0.00005	0.00032	6200	10	30	9	0.6	0.025	0.013	0.006	0.032
693		8	3	0.15	0.0005	0.00025	0.0001	0.00061	6300		35	11	0.6	0.040	0.022	0.010	0.052
603		9	3	0.15	0.0007	0.0004	0.0002	0.00087	6801	12	21	5	0.3	0.005	0.0025	0.0012	0.006
623		10	4	0.15	0.0013	0.0007	0.0003	0.00165	5901		24	6	0.3	0.008	0.0042	0.0019	0.01
684	4	9	2.5	0.1	0.0005	0.0003	0.0001	0.0006	16001		28	7	0.3	0.015	0.0079	0.004	0.019
694		11	4	0.15	0.0013	0.0007	0.0003	0.0017	6001		28	8	0.3	0.017	0.0092	0.004	0.019
604		12	4	0.2	0.0017	0.0009	0.0004	0.0023	6201	32	10	0.6	0.028	0.015	0.007	0.037	
624		13	5	0.2	0.0023	0.0013	0.0006	0.0030	6301	37	12	1	0.046	0.025	0.004	0.022	
634	5	16	5	0.3	0.0040	0.0022	0.0010	0.0052	6802	15	24	5	0.3	0.005	0.0029	0.0013	0.007
685		11	3	0.15	0.0009	0.0005	0.0002	0.0012	6902		28	7	0.3	0.012	0.0063	0.003	0.005
695		13	4	0.2	0.0019	0.0010	0.0005	0.0025	16002		32	8	0.3	0.021	0.011	0.005	0.027
605		14	5	0.2	0.0027	0.0015	0.0007	0.0035	6002		32	9	0.3	0.024	0.013	0.006	0.031
625	6	16	5	0.3	0.0038	0.0021	0.0010	0.0050	6202	17	35	11	0.6	0.035	0.019	0.009	0.045
635		19	6	0.3	0.0066	0.0036	0.0016	0.0086	6302		42	13	1	0.064	0.035	0.016	0.083
686		13	3.5	0.15	0.0015	0.0008	0.0004	0.0019	6803		26	5	0.3	0.005	0.0029	0.0013	0.007
696		15	5	0.2	0.0030	0.0016	0.0007	0.0039	6903		30	7	0.3	0.013	0.0071	0.0033	0.017
606	7	17	6	0.3	0.0046	0.0025	0.0011	0.0060	16003	20	35	8	0.3	0.025	0.014	0.006	0.033
626		19	6	0.3	0.0063	0.0034	0.0016	0.0086	6003		35	10	0.3	0.032	0.017	0.008	0.041
636		22	7	0.3	0.0108	0.0058	0.0027	0.0140	6203		40	12	0.6	0.052	0.028	0.013	0.067
687		14	3.5	0.15	0.0017	0.0009	0.0004	0.0022	6303		47	14	1	0.087	0.047	0.022	0.11
697	8	17	5	0.3	0.0040	0.0022	0.0010	0.0053	6804	25	32	7	0.3	0.013	0.007	0.003	0.017
607		19	6	0.3	0.0059	0.0032	0.0015	0.0077	6904		37	9	0.3	0.028	0.015	0.007	0.037
627		22	7	0.3	0.0098	0.0053	0.0024	0.0127	16004		42	8	0.3	0.037	0.02	0.009	0.048
688		16	4	0.2	0.0025	0.0014	0.0006	0.0072	6004		42	12	0.6	0.052	0.028	0.013	0.068
698	9	19	6	0.3	0.0056	0.003	0.0014	0.0072	6204	30	47	14	1	0.082	0.045	0.021	0.11
608		22	7	0.3	0.0093	0.005	0.0023	0.012	6304		52	15	1.1	0.11	0.06	0.028	0.15
628		24	8	0.3	0.013	0.0072	0.0033	0.017	6805		37	7	0.3	0.016	0.009	0.00	0.021
638		28	9	0.3	0.022	0.123	0.0054	0.028	6905		42	9	0.3	0.032	0.018	0.01	0.042
689	10	17	4	0.2	0.0027	0.0015	0.0007	0.0035	16005	25	47	8	0.3	0.045	0.025	0.011	0.059
699		20	6	0.3	0.0065	0.0035	0.0016	0.0085	6006		47	12	0.6	0.061	0.033	0.015	0.079
609		24	7	0.3	0.011	0.0060	0.0028	0.015	6205		52	15	1	0.099	0.054	0.025	0.13
629		26	8	0.3	0.015	0.0081	0.0038	0.020	6305		62	17	1.1	0.18	0.098	0.045	0.24
6800	10	19	5	0.3	0.004	0.0021	0.001	0.005	6806	30	42	7	0.3	0.018	0.01	0.005	0.024
6900		22	6	0.3	0.007	0.0038	0.0017	0.009	6908		47	9	0.3	0.04	0.022	0.01	0.052
6000		26	8	0.3	0.014	0.0075	0.0035	0.18	16006		55	9	0.3	0.067	0.036	0.017	0.087

深沟球轴承系列 Deep groove ball bearings



轴承型号 Bearing No.	外形尺寸Boundary dimension				Mass重量				轴承型号 Bearing No.	外形尺寸Boundary dimension				Mass重量			
	d	D	B	r (min)	(Kg) (参考) (refer)					d	D	B	r (min)	(Kg) (参考) (refer)			
					Zr02	Si3N4	PLASTIC	440C						Zr02	Si3N4	PLASTIC	440C
6006	30	55	13	1	0.089	0.05	0.022	0.116	6812	60	78	10	0.3	0.08	0.04	0.02	0.1
6206		62	16	1	0.5	0.08	0.038	0.2	6912		85	13	1	0.15	0.08	0.037	0.19
6306		72	19	1.1	0.27	0.14	0.066	0.35	16012		95	11	0.6	0.22	0.12	0.054	0.28
6406		90	23	1.5	0.57	0.31	0.14	0.74	6012		95	18	1.1	0.32	0.17	0.079	0.41
6807	35	47	7	0.3	0.021	0.01	0.005	0.027	6212	65	110	22	1.5	0.6	0.33	0.15	0.78
6907		55	10	0.6	0.058	0.03	0.014	0.075	6312		130	31	2.1	1.32	0.72	0.33	1.72
16007		62	9	0.3	0.082	0.05	0.021	0.11	6813		85	10	0.6	0.1	0.05	0.025	0.13
6007		62	14	1	0.12	0.06	0.029	0.15	6913		90	13	1	0.17	0.09	0.04	0.22
6207	40	72	17	1.1	0.22	0.12	0.055	0.28	16013	70	100	11	0.6	0.23	0.13	0.06	0.3
6307		80	21	1.5	0.36	0.19	0.089	0.46	6013		100	18	1.1	0.34	0.18	0.08	0.44
6808		52	7	0.3	0.02	0.01	0.006	0.03	6213		120	23	1.5	0.77	0.42	0.19	1.00
6908		62	12	0.6	0.09	0.05	0.022	0.11	6313		140	33	2.1	1.62	0.88	0.41	2.11
16008	45	68	9	0.3	0.10	0.05	0.025	0.13	6814	75	90	10	0.6	0.1	0.06	0.03	0.13
6008		68	15	1	0.15	0.08	0.037	0.19	6914		100	16	1	0.27	0.15	0.07	0.35
6208		80	18	1.1	0.28	0.15	0.07	0.37	16014		110	13	0.6	0.34	0.18	0.08	0.44
6308		90	13	1.5	0.49	0.27	0.12	0.64	6014		110	20	1.1	0.47	0.25	0.12	0.61
6809	50	58	7	0.3	0.029	0.02	0.007	0.038	6214	80	125	24	1.5	0.84	0.45	0.21	1.09
6909		68	12	0.6	0.097	0.05	0.024	0.13	6318		150	35	2.1	1.98	1.07	0.49	2.57
16009		75	10	0.6	0.13	0.07	0.032	0.17	6815		95	10	0.6	0.011	1.06	0.029	0.15
6009		75	16	1	0.19	0.1	0.046	0.24	6915		105	16	1	0.28	0.15	0.070	0.36
6209	55	85	19	1.1	0.32	0.18	0.081	0.42	16015	85	115	13	0.6	0.36	0.09	0.089	0.46
6309		100	25	1.5	0.64	0.35	0.16	0.83	6015		115	20	1.1	0.5	0.27	0.12	0.65
6810		65	7	0.3	0.038	0.02	0.010	0.05	6215		130	25	1.5	0.92	0.5	0.23	1.19
6910		72	12	0.6	0.1	0.06	0.026	0.14	6315		160	37	2.1	2.37	1.26	0.55	3.08
16010	60	80	10	0.6	0.13	0.07	0.034	0.18	6415	90	190	45	3	4.52	2.41	1.05	5.87
6010		80	16	1	0.20	0.11	0.05	0.26	6816		100	10	0.6	0.12	0.06	0.03	0.15
6210		90	20	1.1	0.35	0.19	0.088	0.46	6916		110	16	1	0.3	0.16	0.075	0.39
6310		110	27	2	0.82	0.44	0.2	1.06	16016		125	14	0.6	0.48	0.26	0.12	0.62
6811	65	72	9	0.3	0.06	0.03	0.016	0.08	6016	95	125	22	1.1	0.67	0.36	0.17	0.87
6911		80	13	1	0.15	0.08	0.036	0.19	6216		140	26	2	1.09	0.59	0.27	1.42
16011		90	11	0.6	0.2	0.11	0.049	0.26	6316		170	39	2.1	2.82	1.51	0.66	3.67
6011		90	18	1.1	0.29	0.16	0.073	0.38	6817		110	13	1	0.2	0.11	0.051	0.26
6211	70	100	21	1.5	0.48	0.26	0.12	0.62	6917	100	120	18	1.1	0.42	0.23	0.11	0.55
6311		120	29	2	1.05	0.57	0.26	1.37									

深沟球轴承系列 Deep groove ball bearings



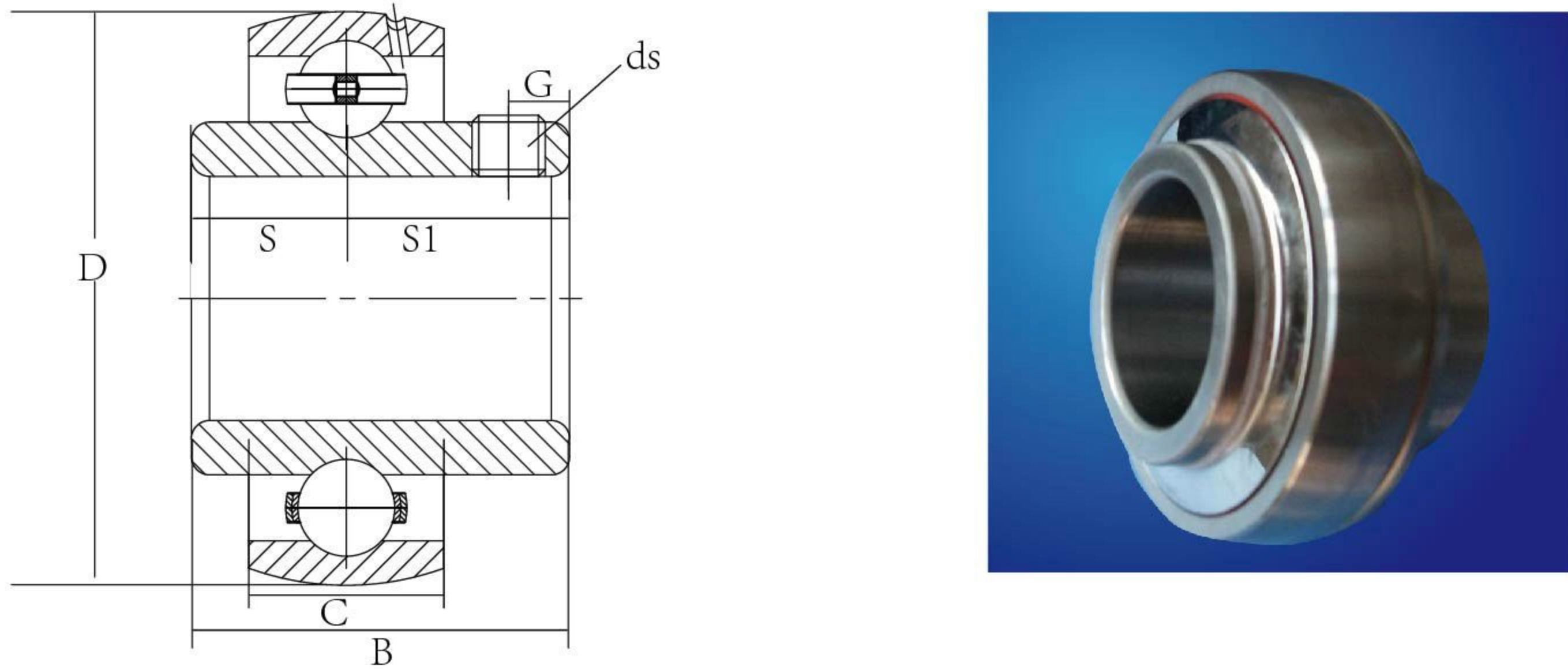
轴承型号 Bearing No.	外形尺寸Boundary dimension				Mass重量				轴承型号 Bearing No.	外形尺寸Boundary dimension				Mass重量			
	d	D	B	(min)	(Kg)	(参考)	(refer)	d		D	B	r (min)	(Kg)	(参考)	(refer)		
16017	85	130	14	0.6	0.5	0.27	0.13	0.65	6824	120	150	16	1	0.41	0.22	0.1	0.54
6017		130	22	1.1	0.71	0.38	0.18	0.92	6924		165	22	1.1	1.08	0.58	0.25	1.41
6217		150	28	2	1.35	0.73	0.34	1.76	16024		180	19	1	1.38	0.74	0.32	1.8
6317		180	41	3	3.25	1.74	0.76	4.23	6024		180	28	2	1.6	0.85	0.37	2.07
6818		115	13	1	0.21	0.12	0.05	0.28	6224		215	40	2.1	3.96	2.11	0.92	5.15
6918	90	125	18	1.1	0.45	0.24	0.11	0.59	6324	130	260	55	3	9.62	5.13	2.24	12.5
16018		140	16	1	0.67	0.36	0.17	0.87	6826		165	18	1.1	0.72	0.39	0.17	0.94
6018		140	24	1.5	0.92	0.5	0.23	1.19	6926		180	24	1.5	1.43	0.76	0.33	1.86
6218		160	30	2	1.65	0.88	0.39	2.15	16026		200	22	1.1	2.07	1.10	0.48	2.69
6318		190	43	3	3.78	2.01	0.88	4.91	6026		200	33	2	2.43	1.30	0.57	3.16
6819	95	120	13	1	0.23	0.12	0.057	0.3	6226	140	230	40	3	4.48	2.39	1.04	5.82
6919		130	18	1.1	0.46	0.25	0.12	0.6	6326		280	58	4	11.6	6.2	2.71	15.1
16019		145	16	1	0.7	0.38	0.17	0.9	6828		175	18	1.1	0.77	0.41	0.18	1.00
6019		145	24	1.5	0.95	0.51	0.24	1.23	6928		190	24	1.5	1.52	0.81	0.36	1.98
6219		170	32	2.1	2.02	1.07	0.47	2.62	16028		210	22	1.1	2.20	1.17	0.51	2.86
6319	200	45	3	4.36	2.33	1.02	5.67	6028	210		33	2	2.73	1.46	0.64	3.55	
6820	100	125	13	1	0.24	0.13	0.06	0.31	6228	150	250	42	3	5.73	3.06	1.34	7.45
6920		140	20	1.1	0.64	0.35	0.16	0.83	6328		300	62	4	14.9	7.96	3.48	19.4
16020		150	16	1	0.73	0.39	0.18	0.95	6830		190	20	1.1	1.06	0.57	0.25	1.4
6020		150	24	1.5	0.99	0.54	0.25	1.29	6930		210	28	2	2.35	1.25	0.55	3.05
6220		180	34	2.1	2.42	1.29	0.56	3.14	16030		225	24	1.1	2.75	1.47	0.64	3.58
6320	215	47	3	5.38	2.87	1.26	7.0	6030	225		35	2.1	3.25	1.73	0.76	4.22	
6821	105	130	13	1	0.25	0.14	0.06	0.32	6230	22	270	45	3	7.24	3.86	1.69	9.41
6921		145	20	1.1	0.66	0.36	0.16	0.86	6330		320	65	4	20.2	10.74	4.70	26.2
16021		160	18	1	0.92	0.49	0.22	1.2	60/22		44	12	0.6	0.06	0.03	0.013	0.074
6021		160	26	2	1.22	0.69	0.29	1.59	62/22		50	14	1	0.09	0.043	0.021	0.119
6221		190	36	2.1	2.85	1.52	0.66	3.7	63/22		54	16	1.1	0.14	0.073	0.032	0.179
6321	110	225	49	3	6.19	3.30	1.44	8.05	60/28	28	52	12	0.6	0.07	0.039	0.017	0.096
6822		140	16	1	0.38	0.21	0.1	0.5	62/28		58	16	1	0.14	0.072	0.031	0.175
6922		150	20	1.1	0.69	0.37	0.17	0.89	63/28		68	17	1.1	0.22	0.118	0.052	0.287
16022		170	19	1	1.12	0.6	0.26	1.46	60/32		58	13	1	0.09	0.05	0.022	0.122
6022		170	28	2	1.51	0.8	0.35	1.96	62/32		65	17	1	0.17	0.092	0.040	0.225
6222	110	200	38	2.1	3.35	1.8	0.78	4.36	63/32	32	75	20	1.1	0.3	0.16	0.070	0.389
6322		240	50	3	7.34	3.91	1.71	9.54									

英制轴承系列 Inch size ball bearings



轴承型号 Bearing No.	孔直径		外径		宽度		重量			
	d		D		B		(Kg) (参考) (refer)			
	mm	in.	mm	in.	mm	in.	Zr02	Si3N4	PLASTIC	440C
1601	4.763	3/16	17.483	11/16	6.350	1/4	0.0038	0.0021	0.0009	0.005
1602	6.35	1/4	17.483	11/16	6.350	1/4	0.0046	0.0025	0.0011	0.006
1603	7.938	1/32	22.225	7/8	7.144	9/32	0.0085	0.0045	0.0020	0.011
1604	9.525	3/8	22.225	7/8	7.144	9/32	0.0100	0.0053	0.0023	0.013
1605	7.938	7/16	23.019	29/32	7.938	5/16	0.0031	0.0016	0.0007	0.004
1606	9.525	3/8	23.019	29/32	7.938	5/16	0.0115	0.0062	0.0027	0.015
1607	11.113	7/16	23.019	29/32	7.938	5/16	0.0123	0.0066	0.0029	0.016
1614	9.525	3/8	28.575	9/8	9.525	3/8	0.0220	0.0117	0.0051	0.0286
1615	11.113	7/16	28.575	9/8	9.525	3/8	0.0205	0.0110	0.0048	0.0267
1616	12.700	1/2	28.575	9/8	9.525	3/8	0.1900	0.1013	0.0443	0.247
1620	11.113	7/16	34.925	11/8	11.113	7/16	0.0400	0.0213	0.0093	0.0520
1621	12.700	1/2	34.925	11/8	11.113	7/16	0.0377	0.0201	0.0088	0.0490
1622	14.288	9/16	34.925	11/8	11.113	7/16	0.0357	0.0190	0.0083	0.0464
1623	15.875	5/8	34.925	11/8	11.113	7/16	0.0332	0.0177	0.0078	0.0432
1628	15.875	5/8	41.275	13/8	12.700	1/2	0.0606	0.0323	0.0141	0.0788
1630	19.050	3/4	41.275	13/8	12.700	1/2	0.0599	0.0320	0.0140	0.0799
1633	15.875	5/8	44.450	7/4	12.700	1/2	0.0769	0.0410	0.0179	0.100
1635	19.050	3/4	44.450	7/4	12.700	1/2	0.0703	0.0375	0.0164	0.0914
R2	3.175	1/8	9.525	3/8	3.967	5/32	0.0011	0.0006	0.0003	0.0014
R2A	3.175	1/8	12.700	1/2	4.366	11/64	0.0022	0.0012	0.0005	0.0029
R3	4.762	3/16	12.700	1/2	3.967	5/32	0.0018	0.0010	0.0004	0.0024
R4	6.350	1/4	15.875	5/8	4.978	0.196	0.0035	0.0019	0.0008	0.0046
R4A	6.350	1/4	19.050	3/4	5.556	7/32	0.0054	0.0029	0.0013	0.007
R6	9.525	3/8	22.225	7/8	5.556	7/32	0.0085	0.0045	0.0020	0.011
R8	12.700	1/2	28.575	11/8	6.350	1/4	0.0108	0.0057	0.0025	0.014
R10	15.875	5/8	34.525	13/8	7.144	9/32	0.0215	0.0115	0.0050	0.028
R12	19.050	3/4	41.275	15/8	7.938	5/16	0.0323	0.0172	0.0075	0.042
R14	22.225	7/8	47.625	17/8	9.525	3/8	0.0554	0.0295	0.0129	0.072
R16	25.400	1	50.800	2	9.525	3/8	0.0654	0.0349	0.0153	0.085
R18	28.575	11/8	53.975	21/8	9.525	3/8	0.0654	0.0349	0.0153	0.085
R20	31.750	11/4	57.150	21/4	9.525	3/8	0.0638	0.0341	0.0149	0.083
R22	34.925	13/8	63.500	21/2	11.113	7/16	0.1038	0.0554	0.0242	0.135
R24	38.100	11/2	66.675	25/8	11.113	7/16	0.1108	0.0591	0.0258	0.144

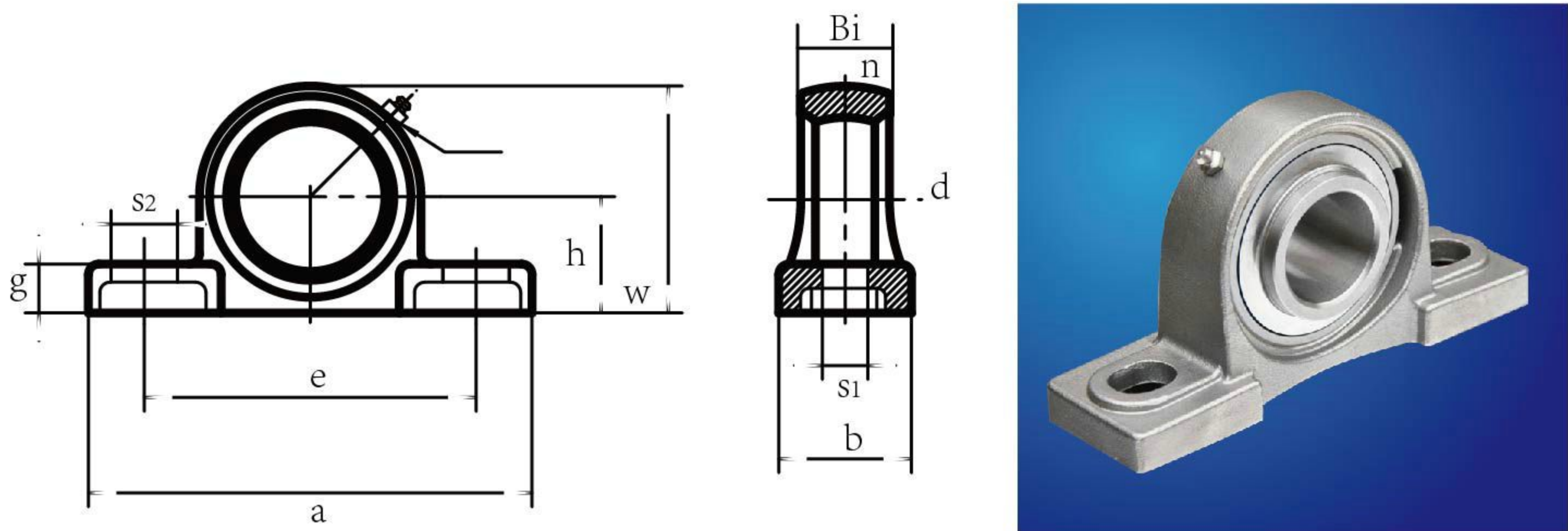
不锈钢外球面轴承系列 Stainless steel Insert Ball Bearing Series



轴承型号 Bearing No.	孔径		外形尺寸 (mm) Boundary dimensions							Mass重量			
										(kg) (参考) (refer)			
	in	mm	D	B	C	S	S1	G	ds	ZR02	SI3N4	PLASTIC	440C
SSUC210-8	1/2		47	31	17	12.7	18.3	5	1/4-28 M6P0.75	0.15	0.08	0.04	0.20
SSUC201		12								0.16	0.09	0.04	0.21
SSUC202-9	9/16												
SSUC202-10	5/8									0.15	0.08	0.03	0.19
SSUC202		15								0.15	0.08	0.03	0.19
SSUC203-11	11/16		47	31	17	12.7	18.3	5	1/4-28 M6P0.75	0.14	0.07	0.03	0.18
SSUC203		17								0.14	0.07	0.03	0.18
SSUC204-14	3/4									0.12	0.07	0.03	0.16
SSUC204		20								0.12	0.07	0.03	0.16
SSUC205-13										0.17	0.09	0.04	0.22
SSUC205-14	7/8		52	34	17	14.3	19.8	5	1/4-28 M6P0.75	0.15	0.08	0.04	0.20
SSUC205-15	15/16									0.15	0.08	0.04	0.20
SSUC205-16	1									0.15	0.08	0.03	0.19
SSUC205		25								0.15	0.08	0.03	0.19
SSUC206-17	11/16									0.25	0.14	0.06	0.33
SSUC206-18	11/8		62	38	19	15.9	22.2	5	1/4-28 M6P0.75	0.24	0.13	0.06	0.31
SSUC206-19	13/16									0.25	0.13	0.06	0.32
SSUC206-20	11/4									0.24	0.13	0.06	0.31
SSUC206		30								0.24	0.13	0.06	0.31
SSUC207-20	11/4									0.41	0.22	0.10	0.53
SSUC207-21	15/16		72	43	20	17.5	25.4	7	5/16-24 M8P1.0	0.38	0.21	0.09	0.50
SSUC207-22	13/8									0.36	0.19	0.08	0.47
SSUC207-23	17/16									0.34	0.18	0.08	0.44
SSUC207		35								0.38	0.19	0.08	0.47
SSUC208-24	11/2									0.51	0.27	0.12	0.66
SSUC208-25	19/18		80	49	22	19	30.2	8	5/16-24 M8P1.0	0.48	0.26	0.11	0.63
SSUC208		40								0.47	0.25	0.11	0.61
SSUC209-26	15/8									0.60	0.32	0.14	0.78
SSUC209-27	111/16									0.57	0.30	0.13	0.74
SSUC209-28	13/4									0.54	0.29	0.13	0.70
SSUC209		45	85	49	22	19	30.2	8	5/16-24 M8P1.0	0.52	0.28	0.12	0.68
SSUC210-29	113/16												
SSUC210-30	17/8									0.65	0.35	0.15	0.85
SSUC210-31	115/16									0.64	0.34	0.15	0.83
SSUC210-32	2									0.60	0.32	0.14	0.78
SSUC210		50	90	52	24	19	32.6	10	3/8-24 M10P1.25	0.59	0.32	0.14	0.77
SSUC211-32	2									1.04	0.55	0.24	1.35
SSUC211-33	21/16									0.95	0.51	0.22	1.24
SSUC211-34	11/8									0.85	0.45	0.20	1.10
SSUC211-35	23/16									0.92	0.49	0.21	1.19
SSUC211		55	110	65	27	25.4	39.7	10	3/8-24 M10P1.25	0.82	0.44	0.19	1.07
SSUC212-36	21/4									1.27	0.68	0.30	1.65
SSUC212-37	25/6									1.19	0.64	0.28	1.55
SSUC212-38	23/8									1.15	0.62	0.27	1.50
SSUC212-39	27/16									1.10	0.59	0.26	1.43
SSUC212		60								1.17	0.62	0.27	1.52

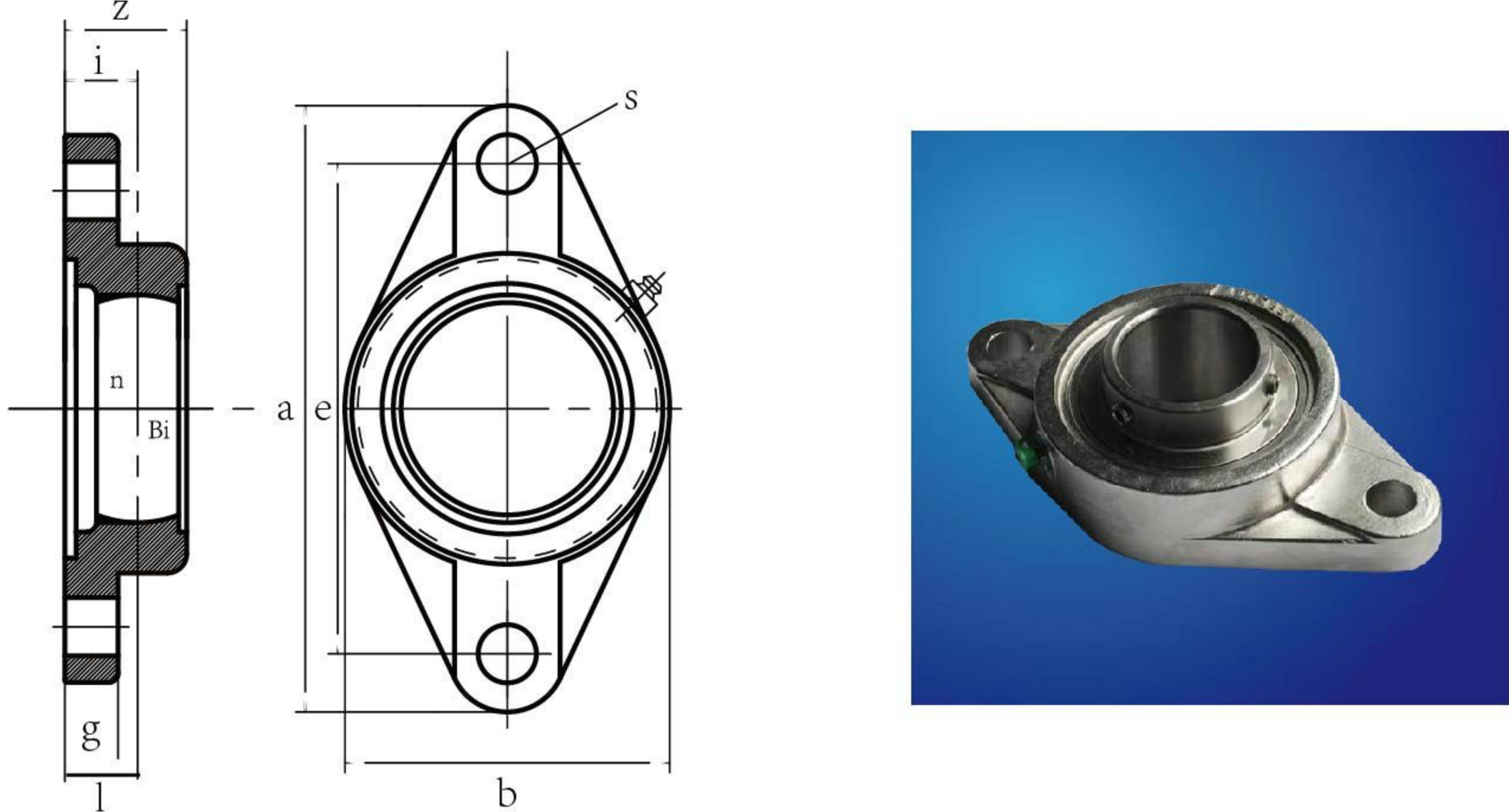
不锈钢外球面轴承座 Stainless Steel Spherical Bearing Housing

立式座 Pillow Block Type



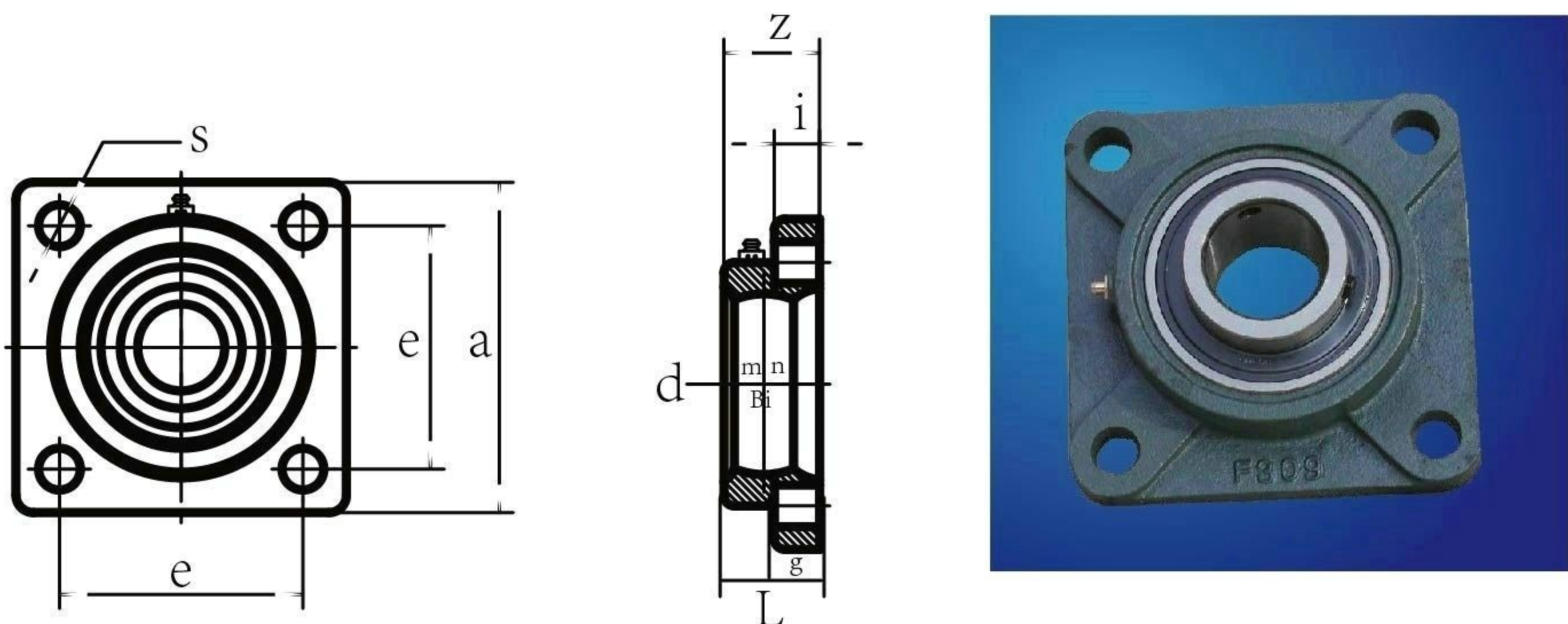
型号 Unit No	轴径Shaft Dia		外形尺寸 Dimensions (mm)										螺栓 Bolt		重量 weight (Kg)	
	(in)	(mm)	h	a	e	b	S1	S2	g	w	Bi	n	in	mm	Stainless(304)	Plastic(PBT)
SP204	3/4	20	33.3	127	95	38	13	19	14	65	31	12.7	3/8	M10	0.65	0.12
SP205	7/81	25	36.5	140	105	38	13	19	15	70	34	14.3	3/8	M10	0.79	0.14
SP206	1-1/8 1-3/16 1-1/4S	30	42.9	165	121	48	17	21	16	83	38.1	15.9	1/2	M14	1.30	0.23
SP207	1-1/4 1-3/8 1-7/16	35	47.6	167	127	48	17	21	17	94	42.9	17.5	1/2	M14	1.60	0.29
SP208	1-1/2	40	49.2	184	137	54	17	21	18	100	19.2	19	1/2	M14	2.00	0.36
SP209	1-5/8 1-11/16 1-3/4	45	54	190	146	54	17	22	20	108	49.2	19	1/2	M14	2.30	0.41
SP210	1-7/8 1-15/16 2S	50	57.2	206	159	60	20	25	21	114	51.6	19	5/8	M16	2.70	0.48
SP211	2 2-1/8 2-3/16	55	63.5	219	171	60	20	25	22	126	55.6	22.2	5/8	M16	3.30	0.59
SP212	2-1/4 2-3/8 2-7/16	60	69.8	241	184	70	20	25	25	138	65.1	25.4	5/8	M16	4.70	0.84

菱形座 Rhombic-Flanged type



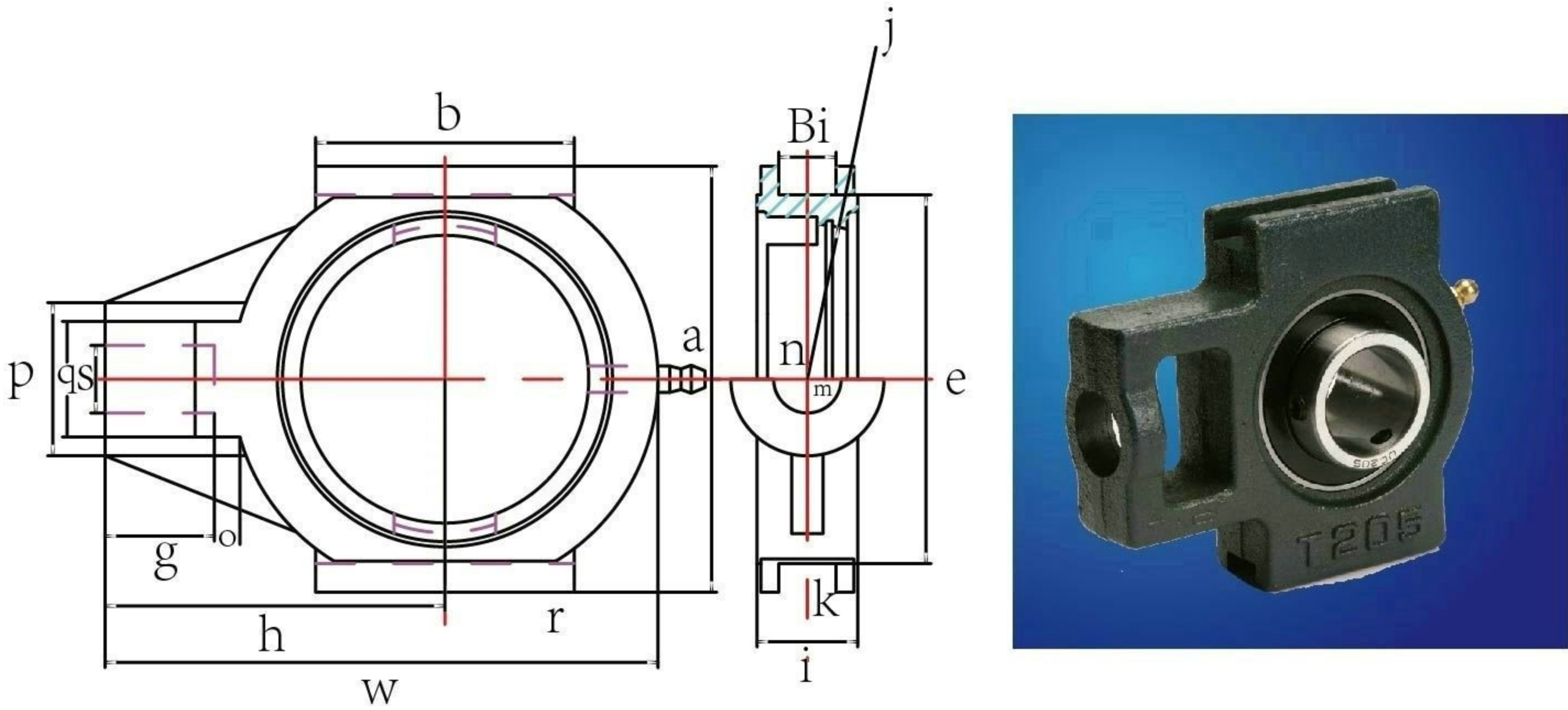
型号 Unit No	轴径Shaft Dia		外形尺寸 Dimensions (mm)										螺栓 Bolt		重量weight (Kg)	
	(in)	(mm)	a	e	i	g	I	S	z	Bi	n	m	in	mm	Stainless(304)	Plastic(PBT)
SFL204	3/4	20	113	90	15	11	27	12	33	31	12.7	18.3	3/8	M10	0.45	0.08
SFL205	7/81	25	130	99	16	13	28	12	36	34	14.3	19.7	3/8	M10	0.63	0.11
SFL206	1-1/8 1-3/16 1-1/4S	30	148	117	18	13	31	12	40	38.1	15.9	22.2	3/8	M14	0.85	0.15
SFL207	1-1/4 1-3/8 1-7/16	35	161	130	19	14	33	16	44	42.9	17.5	25.4	1/2	M14	1.2	0.22
SFL208	1-1/2	40	175	144	21	14	35	16	51	49.2	19	30.2	1/2	M14	1.6	0.29
SFL209	1-5/8 1-11/16 1-3/4	45	188	148	22	15	37	16	52	49.2	19	30.2	1/2	M14	1.9	0.34
SFL210	1-7/8 1-15/16 2S	50	197	157	22	15	37	19	55	51.6	19	32.6	1/2	M16	2.3	0.41
SFL211	2 2-1/8 2-3/16	55	224	184	25	16	43	23	58	55.6	22.2	33.4	5/8	M16	3.3	0.59
SFL212	2-1/4 2-3/8 2-7/16	60	250	202	29	16	48	23	69	65.1	25.4	39.7	3/4	M18	4.3	0.77

方形座 Square-flanged type



型号 Unit No	轴径Shaft Dia d		外形尺寸 Dimensions (mm)											螺栓 Bolt		重量wight (Kg)	
	(in)	(mm)	a	e	i	g	l	S	z	Bi	n	m		in	mm	Stainless(304)	Plastic(PBT)
SF204	3/4	20	86	64	15	11	26.5	12	33.3	31	12.7	18.3	3/8	M10		0.58	0.10
SF205	7/81	25	95	70	16	13	27.5	12	35.7	34	14.3	19.7	3/8	M10		0.83	0.15
SF206	1-1/8 1-3/16 1-1/4S	30	108	83	18	13	31	12	40.2	38.1	15.9	22.2	1/2	M14		1.1	0.20
SF207	1-1/4 1-3/8 1-7/16	35	117	92	19	15	32.5	14	44.4	42.9	17.5	25.4	1/2	M14		1.6	0.29
SF208	1-1/2	40	130	102	21	15	35	16	51.2	49.2	19.0	30.2	1/2	M14		1.9	0.34
SF209	1-5/8 1-11/16 1-3/4	45	137	105	22	16	36.5	16	52.2	49.2	19.0	30.2	1/2	M14		2.4	0.43
SF210	1-7/8 1-15/16 2S	50	143	111	22	16	37	16	54.6	51.6	19.0	32.6	5/8	M16		2.6	0.47
SF211	2 2-1/8 2-3/16	55	162	130	25	18	43	19	58.4	55.6	22.2	33.4	5/8	M16		3.7	0.66
SF212	2-1/4 2-3/8 2-7/16	60	175	143	29	18	48	19	68.7	65.1	25.4	39.7	5/8	M16		4.3	0.77

滑块座 Take up type



型号 Unit No	轴径Shaft Dia		外形尺寸														螺栓			重量wight (Kg)	
	d		Dimensions (mm)														Bott				
	(in)	(mm)	o	g	p	q	s	b	k	e	a	w	j	i	r	h	Bi	n	mm	Stainless(304)	Plastic(PBT)
ST204	3/4	20	16	10	51	32	19	51	12	76	89	94	32	21	33	61	31	12.7	18.3	0.65	0.12
ST205	7/81	25	16	10	51	32	19	51	12	76	89	97	32	24	35	62	34.1	14.3	19.8	0.79	0.14
ST206	1-1/8 1-3/16 1-1/4S	30	16	10	56	37	22	57	12	89	102	113	37	28	43	70	38.1	15.9	22.2	1.30	0.23
ST207	1-1/4 1-3/8 1-7/16	35	16	13	64	37	22	64	12	89	102	129	37	30	51	78	42.9	17.5	25.4	1.60	0.29
ST208	1-1/2	40	19	16	83	49	29	83	16	102	114	144	49	33	56	88	49.2	19	30.2	2.00	0.36
ST209	1-5/8 1-11/16 1-3/4	45	19	16	83	49	29	83	16	102	117	144	49	35	57	87	49.2	19	30.2	2.30	0.41
ST210	1-7/8 1-15/16 2S	50	19	16	83	49	29	86	16	102	117	149	49	37	59	90	51.6	19	32.6	2.70	0.48
ST211	2 2-1/8 2-3/16	55	25	19	102	64	35	95	22	130	146	171	64	38	65	106	55.6	22.2	33.4	3.30	0.59
ST212	2-1/4 2-3/8 2-7/16	60	32	19	102	64	35	##	22	130	146	194	64	42	64	119	65.1	25.4	39.7	4.70	0.84

——滚珠轴承

Minature Ball Bearings



- Miniature Precision Ball Bearings
微型精密滚珠轴承
- Small Size Bearings up to 6000 size
微型轴承尺寸多达6000种
- Bearing Cartridge Assemblies
密封轴承

Automotive Applications 汽车应用:

- Electric Motors 电动马达
- Alternators 交流发电机
- Pulley Assemblies 滑轮组件
- Fans 风扇
- Throttle Flaps 电动机传动节流阀瓣



Small size
微型轴承
OD ≤ 30 mm

Automotive 汽车
Aerospace 航空航天
Industrial 工业
Medical 医疗



Machine tool
bearing
工作机械轴承
Tooling
Machines
工作机械



Roller
Bearings
滚柱轴承
Aircraft
飞机



Rodend
Bearings
杆端轴承
Aircraf 飞机
Automotive汽车

不锈钢轴承系列 Stainless Bearing

马氏体不锈钢轴承 Martensite stainless steel bearings

高性能的不锈钢轴承在清洁耐腐蚀的基础上可以具备与高碳铬钢轴承相媲美的高精度及耐磨性，作为标准结构的不锈钢轴承，套圈及滚动体材料我们通常采用AISI SUS440C (9Cr18Mo 或 9Cr18) 经真空淬火处理，保持器及密封件骨架采用AISI304或AISI316材料，精度等级达到ISO标准P0级以上，震动值Z1组以上！

On the basis of clean, Corrosion Resistant, High performance stainless steel bearings also has the good property: High precision, Wear resistant the same as High Carbon Chrome steel bearing.

The rings and balls are made of AISI440 (9Cr18Mo or 9Cr18) after Vacuum heat treatment; Cage and seals Skeleton is made of AISI304 or AISI316, ISO Abec-1 or higher precision level can be achieved. Vibration level: Above Z1.



奥氏体不锈钢轴承系列 Austenite Stainless steel Bearings

我们同样提供非标形式的不锈钢轴承满足工程特殊要求，相比较高碳铬马氏体不锈钢(AISI SUS440C,420), 奥氏体不锈钢具有更好的耐腐蚀性能及抗磁性。奥氏体不锈钢整体采用AISI SUS316L(316)或SUS304材料制作 (内外圈，球，保持器)。因奥氏体不锈钢材料无法整体淬火，故该类轴承不适用于较大负荷及较高转速工况。

We can also provide nonstandard stainless steel bearings to meet engineering special requirement. Compared to High Carbon Martensite stainless steel material, Austenite stainless steel is preferably corrosion resistant and non-magnetism. Austenite stainless steel bearings are made of AISI SUS304 (AISI316/316L) (including Rings balls and cage). Austenite stainless steel bearing cant be heat treated, thus it is not applied on higher load and higher RPM.



不锈钢深沟球轴承 Deep Grove Ball Stainless Bearings

轴承套圈及滚动体材料使用用 AISI SUS440C 不锈钢(国内编号：9Cr18Mo、9Cr18)经真空淬回火处理，保持架及密封圈骨架材料采用 AISI304 不锈钢(国内编号：1Cr18)。不锈钢轴承与普通轴承钢相比，有更强的防锈、防腐蚀性，选择合适的润滑剂、防尘盖等，可以在 -60℃~+300℃的环境下使用。不锈钢深沟球轴承能抵御潮湿和若干其它介质所引起的腐蚀。这类单列深沟球轴承与碳铬(滚动轴承)钢制造的标准深沟球轴承一样，具有很深的轴承滚道沟，轴承滚道和球之间的配合度极高。不锈钢轴承又因机械强度高、负载能力大，广泛使用在食品加工，医疗器械，药品机械方面

Bearing rings and rolling material with stainless steel AISI SUS440C (domestic number: 9Cr18Mo, 9Cr18) by vacuum quenching and tempering treatment, cage and ring frame material AISI304 stainless steel (domestic number: 1Cr18). Compared with ordinary stainless steel bearings bearing steel, a stronger anti-rust, anti-corrosive, choose the right lubricant, dust cover, etc., can be used in an environment -60 ℃ ~ + 300 ℃'s. Stainless steel deep groove ball bearings can withstand moisture and corrosion caused by a number of other media. Such single row deep groove ball bearings and carbon chromium (rolling bearing) steel standard deep groove ball bearings, roller bearings with a deep ditch, with a high degree of bearing raceways and balls between. Stainless steel bearings because of high mechanical strength, high load capacity, widely used in food processing, medical equipment, pharmaceuticals machinery



塑料轴承 Plastic Bearings

POM/PA塑料轴承 POM/PA Plastic Bearings (Precision Plastic Bearings)

POM和PA材料具备良好的机械强度及耐磨性，适合制作比较精密的塑料轴承，工作温度从-60℃~100℃，表面强度高且光滑，基本上不会出现张力，其良好的自润滑性能及低的摩擦系数，在保持塑料轴承传统优势的基础上可应用于精密及较高转速运转。其中POM塑料轴承是所有塑料轴承中应用最为广泛的一种，一般内外圈材料采用POM或PA，保持架采用玻璃纤维增强的尼龙66（GRPA66—25）。滚珠为玻璃球，不锈钢球或陶瓷球，此种轴承碱性环境下表现良好但不适合在酸性腐蚀环境下运行。

POM and PA are with good mechanical and wear resistance, well used for manufacturing precision plastic bearings, working temp.: -60~100C; With high strength of the smooth surface, Basically doest appear tension. Good self-lubrication and low coefficient of friction could be applied to the precision and higher speed operation. POM is used most widely among all the plastics; Commonly, Inner and outer races are made of POM or PA, glass fiber glass PA66(GRPA66-25) as cage, Balls could be: glass balls, stainless steel balls and ceramic balls, such a bearing is good for alkaline environment but not good for acid working conditions.,



PE/PP/UPE塑料轴承(耐酸碱塑料轴承)PE/PP/UPE Plastic Bearings (Anti-Acid and Anti-Alrali Bearings)

HDPE、PP、UPE材料已证明能用于相对较弱的酸碱交叉环境（30%CuCl2溶液和30%NaOH溶液测试OK）故适用于大多数酸/碱/盐/溶济/油/气体及海水腐蚀环境。具备一般塑料轴承之无油自润滑，抗磁绝缘等性能，但机械强度较低，容易变形，故此类抗酸碱塑料轴承不适用于较大负荷及较高转速，为克服此类抗酸碱塑料轴承的缺点。相比较而言，采用UPE材料则具备更佳强度，低摩擦特性及低温应用特性（最低可至-150℃），一般内外圈材料采用HDPE、PP或UPE，保持架材料采用HDPE、PP或UPE，滚珠为玻璃球、不锈钢球或陶瓷球。这样抗酸碱轴承综合性能将会得到较大提高。

HDPE, PP, UPE are proven to work under relatively weak acid environment(30% CuCl Solution and 30% NaOH solution are for testing) as well as mostly acid, alkali, Salt, solution, Oil, gass and seawater corrosive environment. With a series of features of no oil no grease, self-lubrication, non-magnetism, insulation, but low mechanical strength, easily to be out of shape, such acid or alkali resistant bearing is not apply for higher load or RPM, this is a disadvantage of such bearings. Relatively, UPE is with features of more excellent strength, low friction, low temp application.

Generally, inner and outer rings are made of HDPE, PP or UPE; HDPE ,PP or UPE cages.

Glass balls, stainless steel balls, ceramic balls could be the rolling elements. Such Anti-acid bearings' performance is greatly improved



PTFE/PVDF塑料轴承(耐腐蚀性塑料轴承)PTFE/PVDF Plastic Bearings (Anti-Corrosion Plastic Bearings)

作为氟塑料中最典型的品种，PTFE和PVDF是具有最优良的耐腐蚀性能，其中PTFE更是所有已知工程塑料中耐腐蚀性最好的，可用于所有的浓酸及浓碱场合，包括，硝酸（98%以上）等，且具有良好的高温表现，PTFE证明可用于180℃的高温，PVDF也能用到150℃，但PTFE材料机械强度极低，且尺寸稳定性较差，温度变形大，所以，不能用于较大负荷及高速运转的。相比较而言PVDF具有更佳的综合性能，一般内外圈材料选用PTFE或PVDF，保持架材料为PTFE或PVDF，滚珠一般为玻璃球，陶瓷球和不锈钢球。

As the most typical type, PTFE and PVDF are with the highest corrosion resistant. PTFE is the most corrosive among the known engineering plastics, can be used under all the strong acid, strong Alkali, including 98% Nitrate Acid; and it has good performance, PTFE was proven to be working under 180C, PVDF using temp.: 150C; But PTFE is with low mechanical strength, poor dimensional stability, big deformation, thus it is not applied to higher load or higher RPM. Relative speaking, PVDF is with better comprehensive performance, commonly: PTFE or PVDF as inter or outer rings., PTFE or PVDF cages, Balls: glass balls, ceramic balls, or stainless steel balls .



PEEK/PI塑料轴承（耐高温塑料轴承）PEEK/PVDF Plastic Bearings (High Temperrature Plastic Bearings)

PEEK和PI作为新兴的工程塑料材料，被证明是所有已知工程塑料中机械强度尺寸稳定性及耐高温性能最好的，其中PEEK长期使用温度达260℃，PI长期使用温度更是高达300℃，且其具有优良的耐腐蚀性能，能溶解和破坏它的只有浓硫酸，在中等强度的酸碱腐蚀环境仍可以运转自如，故一般用于制作需要在比较严酷环境中精密运转的轴承，其缺点是因材料本身比较昂贵，故使用成本较高，一般内外圈材料选用PEEK或PI，保持架材料为PTFE，PEEK或PI，滚珠一般为ZrO2或Si3N4陶瓷球。

PEEK and PI, new engineering plastic materials, was proven to be with the best mechanical strength, dimensional stability and high temp. endurance among all the known engineering plastics. PEEK's long terms working temperature is 260C, PI's long term using temperature is as high as 300C. it is with excellent corrosion resistant, can be only dissolved or damaged by concentrated sulfuric acid, it still works under medium acid and alkali corrosive environment; Thus it is used for high precision bearing manufacturing, working under harsh environment, the only advantage is high using cost due to raw material. Generally, Inner and outer ring are made of PEEK or PI, Cage is made of PTFE, PEEK, PI; ZrO2 or Si3N4 ceramic balls as rolling elements.



氧化锆全陶瓷轴承 Full ZrO₂ Ceramic Bearing

全陶瓷轴承具抗磁电绝缘、耐磨耐腐蚀、无油自润滑、耐高温耐高寒等特点，可用于极度恶劣环境及特殊工况。套圈及滚动体采用氧化锆(ZrO₂)陶瓷材料，保持器使用聚四氟乙烯(PTFE)作为标配，一般也可使用玻璃纤维增强的尼龙66(GRPA66—25)，特种工程塑料(PEEK, PI)，不锈钢(AISI SUS316、SUS304)，黄铜(Cu)等。

深沟球轴承 Radial Ball Bearings



Full Ceramic bearing has good performance: Non-Magnetism, Electrical insulation, Wear resistant, Anti-corrosive, Self-lubricated, high Temperature usage. Which can be used in the hostile environment and special application.

Using Zirconium Oxide as rolling elements and rings, PTFE cage as standard structure. Also in common, we use Nylon, PEEK, PI, Viton, SS304, SS316, Brass as Cage material.



角接触球轴承 Angular contact Ball Bearings



氧化锆全陶瓷轴承 Full ZrO₂ Ceramic Bearing

调心球轴承 Self-Aligning Ball Bearings



推力球轴承/Thrust Ball Bearings



外球面轴承/Insert Ball Bearings



氮化硅全陶瓷轴承 Full Ceramic Silicon Nitride Ball Bearings

氮化硅全陶瓷轴承套圈及滚动体用：氮化硅全陶瓷制造而成，保持器一般使用（TEFLON）作为标配，也可以选作PA66,PEEK, PI,以及酚醛胶木保持器等。氮化硅全陶瓷轴承比氧化锆材料更适用于更高转速及负荷能力，能耐更高温度。同时应用于高速高精密高精陶瓷轴承，最高可以达到P4精度。

Full Si3N4 full ceramic bearing's rings and balls are made from Silicon Nitride full ceramic, PTFE cage as standard structure, Also Nylon, PEEK, PI, Phonelic cage are available.

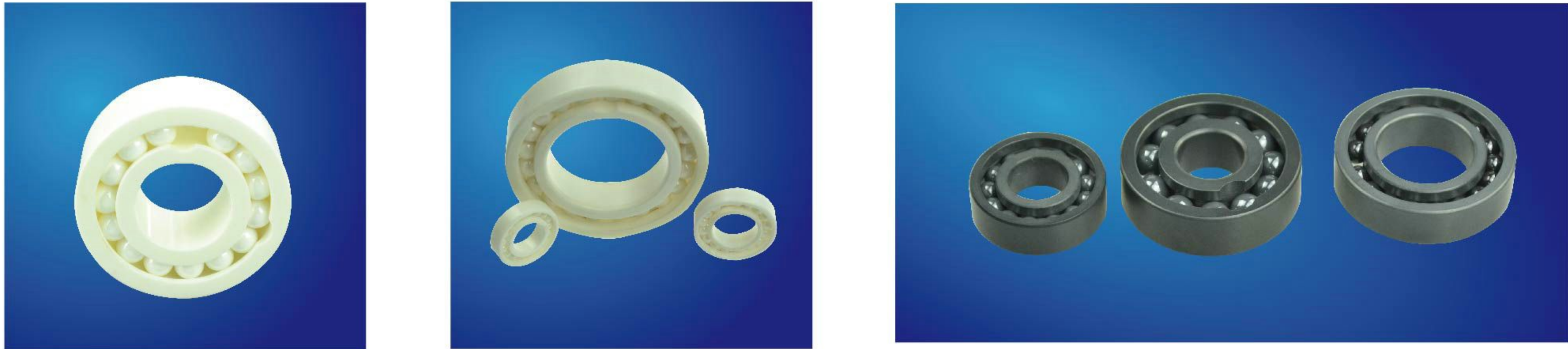
Full Si3N4 ceramic bearing is more suitable for higher temperature and and higher load application usage. Meantime, Si3N4 ceramic is applied on high speed, high precision, Highest Precision Abec-7 can be achieved.



满球全陶轴承系列 Full Ceramic SiC ball bearings

满装球全陶瓷轴承系列，一侧带有填球孔，采用无保持器结构设计，可以比标准配置轴承多装陶瓷球，提高了径向负载，另外避免了受保持器材料限制，达到了全陶瓷轴承耐腐蚀耐高温的效果。该系列满装球轴承不宜较高转速，安装时应填球孔一面装于不受轴向载荷的一端，因此不适用于较大轴向载荷工况！

Full Cermaic bearing with full compliment, bearing's one side is machined a loading slot, No cage, it can be put in with more ceramic balls than standard structure, which improves Radial Load; In addition, it has the advantage of Full ceramic bearing's Corrosion resistance, High temperature application, avoiding the limit of Cage Material. This series full compliment ceramic ball bearing is not used on high RPM; The bearing with loading slot side should be installed the end without Axial Load, thus this series is not applied on higher Axial Force environment;



全陶瓷碳化硅轴承系列 Full Ceramic SiC ball bearings

碳化硅全陶瓷轴承/无压烧结碳化硅密封件

碳化硅是一种无机非金属材料，具有高硬度，高耐磨性，摩擦系数低，抗氧化性强，热稳定性好，热导率大，以及抗热震和耐化学腐蚀等优良特性，可用于各种要求耐磨，腐蚀和耐高温的机械设备。我公司生产的碳化硅轴承，是采用新一代的无压烧结碳化硅（SSiC），选用高纯度a-SiC微粉和添加剂压制成素坯，采用无压烧结工艺，在高温下烧结而成的高纯度，高密度，不含游离硅的SiC。无压烧结SiC的硬度，强度，耐腐蚀，耐高温，抗冲击性等各项性能均比其他工程陶瓷如氧化锆，反应烧结碳化硅等更优良。

氮化硅全陶瓷轴承套圈及滚动体采用无压碳化硅（SSiC）陶瓷材料，保持器使用PTFE作为标准配置，相比较氧化锆轴承材料，可适用于更高的温度及更苛刻的腐蚀性环境。

Silicon Carbide is an inorganic non-metallic materials with high hardness, high wear resistant, low coefficient of friction, Oxidation resistant, good thermal stability, thermal conductivity, large, and thermal shock and chemical corrosion and other fine features, can be used for a variety of requirements for abrasion, corrosion and high temperature mechanical equipment.

Our company's SiC bearings uses a new generations of pressureless Sintering SiC.

With pressureless sintering process, high purity a-SiC Micron Powder was sintered into SiC, which is high purity, high density, Non free silicon.

Pressureless sintering SiC's hardness, strength, corrosion resistance, high temperature resistance, impact resistance and other properties is better than the other engineering ceramics such as zirconia, reaction bonded silicon carbide, etc.

SiC ceramic bearing rings and rolling elements was made of pressureless Sintered silicon carbide. using PTFE as standard structure; Compared to zirconium Oxide, it is more suitable for higher temperatures and harsher environment.

附表：无压碳化硅（SSiC）陶瓷的机械性能：
The mechanical performance of sintering silicon carbide:

序号 No.	项目 Item	单位 Unit	参数 Parameter
1	体积密度 Density	g/cm³	3.10
2	显气孔率% Porosity %	/	≤0.15
3	硬度 Hardness	/	≥92（HRA）
4	弯曲强度 Bending Strength	Mpa	≥470
5	弹性模量 Modulus of Elasticity	Gpa	≥410
6	断裂韧性 Fracture Toughness	Mpa.M ^{1/2}	≥3.5
7	热膨胀系数 The Coefficient of Expansion	1×10 ⁻⁶ /°C	4
8	碳化硅含量% Silicon Carbide %	/	≥98%
9	游离硅含量% Free-silicon %	/	无 none

