

陶瓷球/塑料球/玻璃球/不锈钢球

Ceramic Balls/Plastic Balls/Glass Balls/Stainless Balls

可提供各种陶瓷球,塑料球,玻璃球及不锈钢球.常用材料及适用精度等级如下表:

We could supply ceramic balls plastic balls, glass balls and stainless balls, staple material and manufacturing precision as following:

	陶瓷球 Ceramic balls	塑料球 Plastic balls	玻璃球 Glass balls	不锈钢球 Stainless balls
常用材料 material	ZrO2, Si3N4, SiC, HR	PUM, UPC	GLASS	440C, 3M
适用精度等级 grad	G5-G200	G100-G1000	G100-G1000	G5-G200

球的形状公差和表面粗糙度:

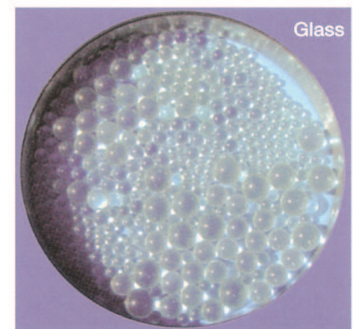
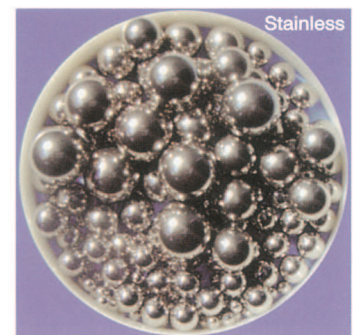
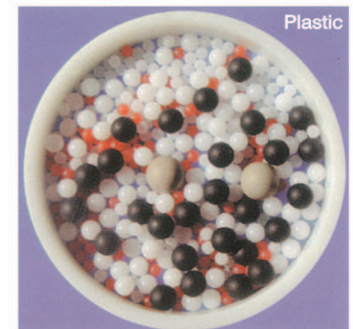
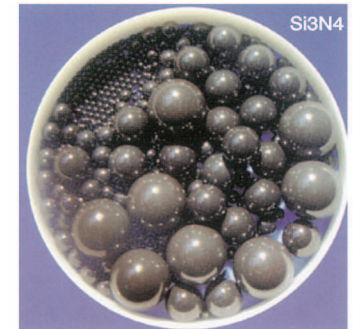
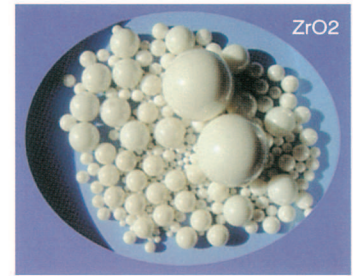
Tolerance and surface roughness of the balls:

精度等级 Grade	球直径变动量 Vdws Variation of ball diameter	球形误差 (Δ Sph) Deviation from	表面粗糙度 (Ra) Surface roughness spherical from	基本直径公差 Diameter Tolerance(Tdn)
	不超过 not over, μ m			
G3	0.08	0.08	0.012	*
G5	0.13	0.13	0.02	*
G10	0.25	0.25	0.025	*
G16	0.4	0.4	0.032	*
G20	0.5	0.5	0.04	*
G28	0.7	0.7	0.05	*
G40	1	1	0.08	*
G60	1.5	1.5	0.1	*
G100	2.5	2.5	0.125	± 12.5
G200	5	5	0.2	± 25
G500	13	13	*	± 50
G1000	25	25	*	± 125

常用尺寸规格表:

Staple size of the balls:

规格 (英寸) Size (inch)	规格 (mm) Size (mm)	规格 (英寸) Size (inch)	规格 (mm) Size (mm)
	1.5	1/16 "	1.588
	2	3/32 "	2.381
1/8 "	3.175	5/32 "	3.969
3/16 "	4.763	7/32 "	5.556
1/4 "	6.35	17/64 "	6.747
	7	9/32 "	7.144
5/16 "	7.938	11/32 "	8.731
3/8 "	9.525	13/32 "	10.319
7/16 "	11.112	29/64 "	11.509
15/32 "	11.906		12
31/64 "	12.303	1/2 "	12.7
17/32 "	13.494		14
9/16 "	14.288	19/32 "	15.081
5/8 "	15.875	21/32 "	16.669
11/16 "	17.463	23/32 "	18.256
3/4 "	19.05	25/32 "	19.844
	20	13/16 "	20.638
7/8 "	22.225	15/16 "	23.812
1 "	25.4	1-1/16 "	26.988
1-1/8 "	28.575	2001-3-16	30.163
1-1/4 "	31.75	1-3/8 "	34.925
	35	1-1/2 "	38.1
1-5/8 "	41.275	1-11/16 "	42.863
1-7/8 "	47.625	2 "	50.8



尺寸表说明 / Directions of specification table

公司生产本尺寸所列全陶瓷轴承、塑料轴承、不锈钢轴承及混合陶瓷球轴承，同时亦可提供配合外球面轴承之不锈钢轴承座及塑料轴承座。具体配置如下：

We could product All-ceramic bearings, plastic bearings and stainless bearings as following specification table, also we supply all kinds of stainless housing and plastic housing for units.

	适用类型 Type	代号 Bearing No.	常用内外圈材料 material of rings	常用球材料 material of balls	常用保持架材料 material of cage	结构类型 structure
深沟球系列 Deep groove ball series	全陶瓷轴承 Full ceramic bearings	68..CE 62..CE 69..CE 63..CE 60..CE 160..CE 64..CE	ZrO2 Si3N4 Al2O3 SiC	ZrO2 Si3N4 Al2O3 SiC	PTFE PA66 PEEK PI ZrO2	开式 Open 满球无保持架 Full complement no cage
	塑料轴承 Plastic bearings	P68.. P69.. 60.. P62.. P63.. P64.. P160..	POM HDPE PP PEEK PVDF UPE PI PA	玻璃球 (galss) ZrO2 SUS304 SUS316 POM PA PE	PA66 HDPE PEEK UPE	开式 Open 满球无保持架 Full complement no cage
	不锈钢轴承 stainless bearings	S68.. S69.. S60.. S62.. 63.. S64.. S160..	440C 304 316 316L 630	440C 304 316 316L	SUS304 SUS316	开式 Open 两面橡胶密封 (2RS) Double rubber seals 两面防尘盖密封圈 (ZZ) Double shields
	混合陶瓷球轴承 Hybrid construction ceramic ball bearing	(S)68..C (S)69..C (S)60..C (S)62..C (S)63..C (S)64..C (S)160..C	440C 304 316 316L GCr15	ZrO2 Si3N4	304 08F PA66 PEEK PTFE	开式 Open 两面橡胶密封 (2RS) Double rubber seals 两面防尘盖密封圈 (ZZ) Double shields
角接触轴承 Angular contact ball series	全陶瓷轴承 Full ceramic bearings	79..CE 70..CE 72..CE 73..CE	ZrO2 Si3N4 Al2O3 SiC	ZrO2 Si3N4 Al2O3 SiC	PTFE PA66 PEEK PI ZrO2	开式 Open 满球无保持架 Full complement no cage
	塑料轴承 Plastic bearings	P79.. P70.. P72.. P73..	POM HDPE PP PEEK PVDF UPE PI PA	玻璃球 (galss) ZrO2 SUS304 SUS316 POM PA PE	PA66 HDPE PEEK UPE	开式 Open 满球无保持架 Full complement no cage
	不锈钢轴承 stainless bearings	S79.. S70.. S72.. S73..	440C 304 316 316L 630	440C 304 316 316L	304 316 PTFE 酚醛胶布管 Phenolic resin tube	开式 Open 两面橡胶密封 (2RS) Double rubber seals 两面防尘盖密封圈 (ZZ) Double shields
	混合陶瓷球轴承 Hybrid construction ceramic ball bearing	(S)79..C (S)70..C (S)72..C (S)73..C	440C 304 316 316L GCr15	ZrO2 Si3N4	304 08F PA66 PEEK PTFE 酚醛胶布管 Phenolic resin tube	开式 Open 两面橡胶密封 (2RS) Double rubber seals 两面防尘盖密封圈 (ZZ) Double shields
调心球轴承 self-aligning ball series	全陶瓷轴承 Full ceramic bearings	12..CE 22..CE 13..CE 23..CE	ZrO2 Si3N4 Al2O3 SiC	ZrO2 Si3N4 Al2O3 SiC	PTFE PA66 304 316 PEEK PI	开式 Open
	塑料轴承 Plastic bearings	P12.. P22.. P13.. P23..	POM HDPE PP PEEK PVDF UPE PI PA	玻璃球 (galss) ZrO2 SUS304 SUS316 POM PA PE	PA66 HDPE PEEK UPE	开式 Open
	不锈钢轴承 stainless bearings	S12.. S22.. S13.. S23..	440C 304 316 316L 630	440C 304 316 316L	SUS304 SUS316 PA66 PTFE	开式 Open 两面橡胶密封 (2RS) Double rubber seals 两面防尘盖密封圈 (ZZ) Double shields
	混合陶瓷球轴承 Hybrid construction ceramic ball bearing	(S)12..C (S)22..C (S)13..C (S)23..C	440C 304 316 316L GCr15	ZrO2 Si3N4	304 316 08F PA66 PEEK PTFE	开式 Open 两面橡胶密封 (2RS) Double rubber seals 两面防尘盖密封圈 (ZZ) Double shields
双列角接触 球轴承 Double row angular contact ball series	全陶瓷轴承 Full ceramic bearings	52..CE 53..CE	ZrO2 Si3N4 Al2O3 SiC	ZrO2 Si3N4 Al2O3 SiC	PTFE PA66 PEEK PI ZrO2	开式 Open 满球无保持架 Full complement no cage
	塑料轴承 Plastic bearings	P52.. P53..	POM HDPE PP PEEK PVDF UPE PI PA	玻璃球 (galss) ZrO2 SUS304 SUS316 POM PA PE	PA66 HDPE PEEK UPE PTFE	开式 Open 满球无保持架 Full complement no cage
	不锈钢轴承 stainless bearings	S52.. S53..	440C 304 316 316L 630	440C 304 316 316L	PA66 PTFE	开式 Open 两面橡胶密封 (2RS) Double rubber seals 两面防尘盖密封圈 (ZZ) Double shields
	混合陶瓷球轴承 Hybrid construction ceramic ball bearing	(S)52..C (S)53..C	440C 304 316 316L GCr15	ZrO2 Si3N4	PA66 PEEK PTFE	开式 Open 两面橡胶密封 (2RS) Double rubber seals 两面防尘盖密封圈 (ZZ) Double shields
推力球轴承 Thrust ball series	全陶瓷轴承 Full ceramic bearings	511..CE 512..CE	ZrO2 Si3N4 Al2O3 SiC	ZrO2 Si3N4 Al2O3 SiC	PTFE PA66 PEEK PI	开式 Open 满球无保持架 Full complement no cage
	塑料轴承 Plastic bearings	P511.. P512..	POM HDPE PP PEEK PVDF UPE PI PA	玻璃球 (galss) ZrO2 SUS304 SUS316 POM PA PE	PA66 HDPE PEEK UPE	开式 Open 满球无保持架 Full complement no cage
	不锈钢轴承 stainless bearings	S511.. S512..	440C 304 316 316L 630	440C 304 316 316L	SUS304 SUS316 PA66	开式 Open 满球无保持架 Full complement no cage
	混合陶瓷球轴承 Hybrid construction ceramic ball bearing	(S)511..C (S)512..C	440C 304 316 316L GCr15	ZrO2 Si3N4	304 08F PA66 PEEK PTFE	开式 Open 满球无保持架 Full complement no cage

尺寸表说明(续)/Directions of specification(continue)

	适用类型 Type	代号 Bearing No.	常用内外圈材料 material of rings	常用球材料 material of balls	常用保持架材料 material of cage	结构类型 structure
外球面系列 Ball bearing for units	全陶瓷轴承 Full ceramic bearings	UC2..CE	ZrO2 Si3N4 Al2O3 SiC	ZrO2 Si3N4 Al2O3 SiC	PTFE PA66 PEEK PI ZrO2	开式 Open 满球无保持架 Full complement no cage
	塑料轴承 Plastic bearings	PUC2..	POM HDPE PP PEEK PVDF UPE PI PA	玻璃球 (gals) ZrO2 SUS304 SUS316 POM PA PE	PA66 HDPE PEEK UPE	开式 Open 满球无保持架 Full complement no cage
	不锈钢轴承 stainless bearings	SUC2..	440C 304 316 316L 630	440C 304 316 316L	SUS304 SUS316 PA66	开式 Open 两面橡胶密封 (2RS) Double rubber seals 两面防尘盖密封 (ZZ) Double shields
	混合陶瓷球轴承 Hybrid construction ceramic ball bearing	(S)UC2..C	440C 304 316 316L GCr15	ZrO2 Si3N4	304 316 08F PA66 PEEK PTFE	开式 Open 两面橡胶密封 (2RS) Double rubber seals 两面防尘盖密封 (ZZ) Double shields
英制轴承系列 Inch size series	全陶瓷轴承 Full ceramic bearings	16..CE R..CE	ZrO2 Si3N4 Al2O3 SiC	ZrO2 Si3N4 Al2O3 SiC	PTFE PA66 PEEK PI ZrO2	开式 Open 满球无保持架 Full complement no cage
	塑料轴承 Plastic bearings	P16.. PR..	POM HDPE PP PEEK PVDF UPE PI PA	玻璃球 (gals) ZrO2 SUS304 SUS316 POM PA PE	PA66 HDPE PEEK UPE	开式 Open 满球无保持架 Full complement no cage
	不锈钢轴承 stainless bearings	S16.. SR..	440C 304 316 316L 630	440C 304 316 316L	SUS304 SUS316 PA66	开式 Open 两面橡胶密封 (2RS) Double rubber seals 两面防尘盖密封 (ZZ) Double shields
	混合陶瓷球轴承 Hybrid construction ceramic ball bearing	(S)16..C (S)R..C	440C 304 316 316L GCr15	ZrO2 Si3N4	304 08F PA66 PEEK PTFE	开式 Open 两面橡胶密封 (2RS) Double rubber seals 两面防尘盖密封 (ZZ) Double shields

尺寸表说明 (外球面轴承座)

Directions of specification(Housing for units)

	适用类型 material type	代号 Housing NO.	常用材料 Generally material	配合轴承类型 assembly bearing type
立式座 Pillow block type	塑料座 Plastic	PLP2..	PBT	SUC2..不锈钢外球面轴承 PUC2..塑料外球面轴承 SUC2..stainless insert bearing PUC2.. Plastic insert bearing
	不锈钢座 Stainless	SP2..	SUS304	SUC2..不锈钢外球面轴承 PUC2..塑料外球面轴承 SUC2..stainless insert bearing PUC2.. Plastic insert bearing
菱形座 Rhombic- flanged type	塑料座 Plastic	PLFL2..	PBT	SUC2..不锈钢外球面轴承 PUC2..塑料外球面轴承 SUC2..stainless insert bearing PUC2.. Plastic insert bearing
	不锈钢座 Stainless	SFL2..	SUS304	SUC2..不锈钢外球面轴承 PUC2..塑料外球面轴承 SUC2..stainless insert bearing PUC2.. Plastic insert bearing
方形座 Square- flanged type	塑料座 Plastic	PLF2..	PBT	SUC2..不锈钢外球面轴承 PUC2..塑料外球面轴承 SUC2..stainless insert bearing PUC2.. Plastic insert bearing
	不锈钢座 Stainless	SF2..	SUS304	SUC2..不锈钢外球面轴承 PUC2..塑料外球面轴承 SUC2..stainless insert bearing PUC2.. Plastic insert bearing
滑块座 Take-up type	塑料座 Plastic	PLT2..	PBT	SUC2..不锈钢外球面轴承 PUC2..塑料外球面轴承 SUC2..stainless insert bearing PUC2.. Plastic insert bearing
	不锈钢座 Stainless	ST2..	SUS304	SUC2..不锈钢外球面轴承 PUC2..塑料外球面轴承 SUC2..stainless insert bearing PUC2.. Plastic insert bearing