

德州赛霖进出口有限公司

Dezhou Sailing Import and Export Co., Ltd



Corporate photo album



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泰安斯坦达钢球制造有限公司

制造业: 钢球

TAIAN STANDARD STEEL BALL MANUFACTURE CO., LTD

Manufacture: Steel Ball

德州赛霖进出口有限公司

Dezhou Sailing Import and Export Co., Ltd

企业简介

Company profile

德州赛霖进出口有限公司是隶属于泰安斯坦达钢珠制造，是一家有20多年经验的专业生产钢球的工厂，不仅提供高质量的钢球，而且提供最有效的服务。

专注于碳钢球，不锈钢球，高铬钢球，轴承钢球。直径从0.2mm到60mm。他们的精度等级是G10-G1000。高精度钢珠主要用于滚珠轴承，半精密钢珠(100级至1000级)用于自行车/摩托车零件的脚轮、五金、拉边、玩具、游戏球、车轮、仪器、导轨、泵、抛光、化妆品、固体粉碎等。

所有生产的钢球均符合GB/T 3082002标准，相当于国际标准ISO3290-1998, AFMBA1989和DIN5401-93。

先进的设备和精密的仪器对钢球的圆度(球度)、表面完整性和直径进行检测。

产品除供应国内市场外还出口美国、日本、韩国、印度、俄罗斯、土耳其、德国、墨西哥、阿根廷、巴西、东南亚、非洲等国家和地区!

Dezhou Sailing Import and Export Co., Ltd. Belongs to Taian Standard Steel ball manufacture. More than 20 years technology of steel ball. We research, develop and continually test our steel balls to be confident we not only deliver the high quality steel balls, but the most effective service as well.

We focus on carbon steel balls, stainless steel balls, high chrome steel balls, bearing steel balls .The diameter from 0.2mm to 60mm. Their grade of accuracy is G10-G1000. High precision steel balls are mainly used for ball bearing, while semi-precision steel balls (grade100 to 1000) are applied to bicycle/motor cycle parts caster wheels, hardware, draw side, toys, game ball ,wheels, instruments, rail, pumps, polishing, Cosmetics ,the solid smash and so forth.

All the steel balls produced comply with GB/T 3082002 standard, which equivalent to the international standards ISO3290-1998, AFMBA1989 and DIN5401-93.

We inspect and detect the roundness (Sphericity), Surface Integrity and diameter of steel balls with advanced equipment and consumptive instrumentation.

The product have been sold in home besides exported to U.S.A., Japan, Korea, India, Russia, Turkey, Germany, Mexico, Argentina, Brazil, Southeast Asia, Africa and so on.

钢球产品

Steel Balls Products

碳钢球
Carbon steel balls



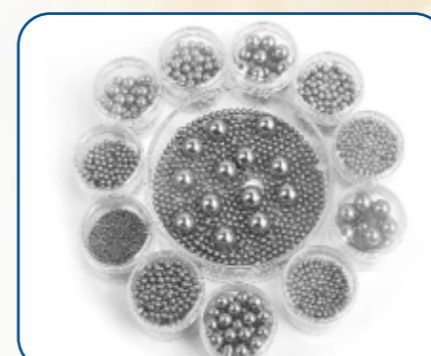
不锈钢球
Stainless steel ball



铝合金球
Alloy ball



钨合金球
Tungsten alloy ball



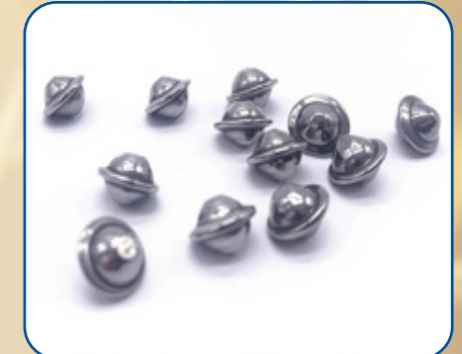
铬钢球
Chrome steel balls



镀铜球
Copper plated steel ball



飞碟球
Frisbee ball



铜球
Brass balls



国际质量保证

International Quality Assurance

我们的产品获得了国际认证

我们为的高品质感到自豪

我们不会停止前进的步伐

而是用实力来证明我们的能力

Our products obtained international certifications and we are proud of our high quality. We wont stop the pace of progressbut with the strength to prove our ability.



全球客户

Our professional services

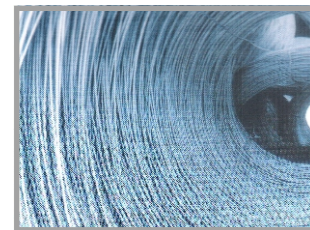
多年的国内外展览使我们能够扩大我们的业务。每年，我们都会参加世界范围内的大型贸易展览会，与我们的客户面对面交流，同时我们也欢迎所有的客户来中国参观

Years of domestic&overseas exhibitions enable us to expand our business. Each year, we attend big trade exhibitionsworldwide to meet our customers face-to-face, and we welcome all customers to visit us in China.

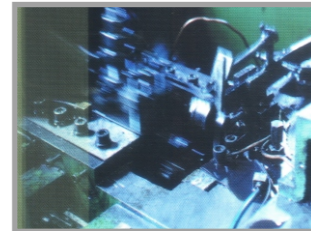


精密钢球生产流程

Precision Steel Ball production process

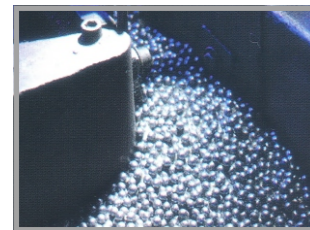


01 原材料
Raw Material



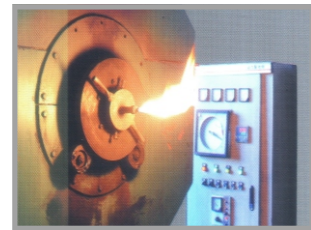
02 冷镦
Cold Heading

用镦锻机把线材镦锻为成形的钢球。
Using header, wire rod is made to an accurate ball shape.



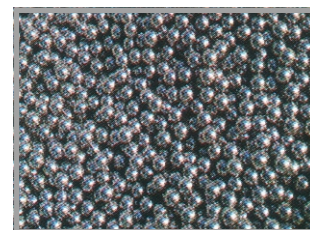
03 光球
Flashing

用光磨机去除成形钢球的毛刺。
Equator (Collar) of pressed ball is removed by flashing machine.



04 热处理
Heat Treatment

用连续热处理设备进行淬火、回火处理,以增强钢球硬度及耐磨性。
By continuous heat treat facility quenching and tempering is conducted to give strength and durability.



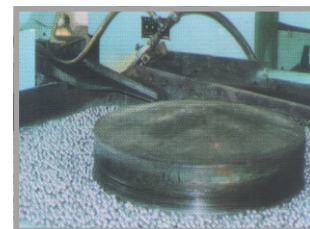
05 磨球
Grinding

热处理之后进行钢球研磨,对表面进行粗研。
After heat treatment, ball grinding is done to conduct rough machining of surface finish.



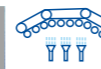
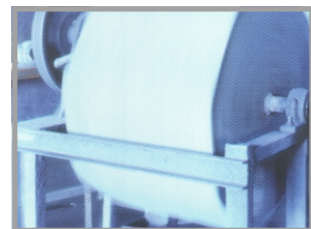
06 初研 Lapping 1

对钢球表面精度进行初步加工。
Finishing surface of balls and first finish of accuracy is done.



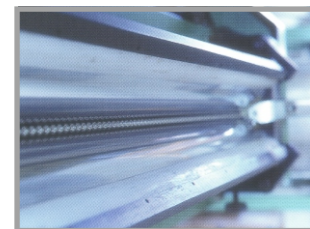
07 精研
Lapping 2

对钢球表面精度进行最终加工。
Finishing surface of balls and last finish of accuracy is done.



08 清洗 Washing

用专用清洗机去除附在钢球上的污垢。
Remove stains on balls with special cleaning machine.



09 表面检查
Surface Inspection

通过目视选别与自动选别相结合的方法,对所有球的表面进行检查。
In addition to visual inspection, all the balls are surface inspected by automatic sorter machine.



10 质量检查
Final Inspection

对球的表面形状、尺寸精度、硬度等做检查,以实现产品的彻底品质保证。
Surface condition, diameter accuracy, hardness and others are inspected and conducted through quality guarantee.

检测设备

Testing equipment



圆度仪 Roundness meter



振动仪 A vibrator



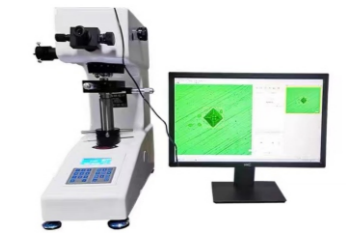
三针仪
three-needle instrument



显微镜 Microscope



分选机 Sorting Machine



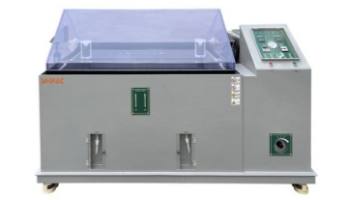
显微硬度仪
Micro-hardness Tester



金相组织测定仪
Metallographic structure tester



压碎试验
Crushing test machine



盐雾试验设备
Salt spray test equipment



千分尺 Micrometer



洛氏硬度仪
Rockwell Hardness Tester



金相镶嵌机
Metallographic Sample Mounting Press

钢球原材料化学成分

Chemical composition of raw materials for steel balls

材质 Material	国标牌号 Chinese code	化学成分% Chemical Composition %							
		C	Mn	Si	S ≤	P ≤	Cr ≤	Ni ≤	Cu ≤
碳素钢 Carbon Steel	Q195	≤0.12	0.25-0.50	0.3	0.04	0.035	---	---	---
	Q215	0.09-0.15	0.25-0.60	0.3	0.045	0.045	---	---	---
	Q235	0.12-0.20	0.30-0.70	0.3	0.045	0.045	---	---	---
	Q275	0.14-0.22	0.40-1.00	0.32	0.045	0.045	---	---	---
优质碳素钢 High Quality Carbon Steel	8	0.06-0.11	0.35-0.65	0.17-0.37	0.035	0.035	0.1	0.3	0.25
	10	0.07-0.13	0.35-0.65	0.17-0.37	0.035	0.035	0.15	0.3	0.25
	15	0.12-0.18	0.35-0.65	0.17-0.37	0.035	0.035	0.25	0.3	0.25
	20	0.17-0.23	0.35-0.65	0.17-0.37	0.035	0.035	0.25	0.3	0.25
	25	0.22-0.29	0.50-0.80	0.17-0.29	0.035	0.035	0.25	0.3	0.25
	30	0.27-0.34	0.50-0.80	0.17-0.37	0.035	0.035	0.25	0.3	0.25
	45	0.42-0.50	0.50-0.80	0.17-0.37	0.035	0.035	0.25	0.3	0.25
	55	0.52-0.60	0.50-0.80	0.17-0.37	0.035	0.035	0.25	0.3	0.25
	60	0.57-0.65	0.50-0.80	0.17-0.37	0.035	0.035	0.25	0.3	0.25
	65	0.62-0.70	0.50-0.80	0.17-0.37	0.035	0.035	0.25	0.3	0.25
	70	0.67-0.75	0.50-0.80	0.17-0.37	0.035	0.035	0.25	0.3	0.25
	77B	0.75-0.80	0.50-0.80	0.17-0.37	0.035	0.035	0.25	0.3	0.25
	82B	0.80-0.85	0.50-0.80	0.17-0.37	0.035	0.035	0.25	0.3	0.25
	冷镦钢 Cold Heading Carbon Steel	ML08AL	0.05-0.10	0.30-0.60	≤0.10	0.035	0.035	Alt≥0.020	
ML10AL		0.08-0.10	0.30-0.60	≤0.10	0.035	0.035			
ML15AL		0.13-0.18	0.30-0.60	≤0.10	0.035	0.035			
ML20AL		0.18-0.23	0.30-0.60	≤0.10	0.035	0.035			
22A		0.18-0.20	0.70-1.00	≤0.10	0.035	0.035			
10B18		0.08-0.10	0.50-0.80	≤0.10	0.035	0.035			
高碳铬轴承钢 High Carbon Chrome Bearing Steel	GCr4	0.95-1.05	0.15-0.30	0.15-0.30	0.02	0.025	0.35-0.50	0.25	0.2
	GCr15	0.95-1.05	0.25-0.45	0.15-0.35	0.02	0.025	1.40-1.65	0.3	0.25
	GCr15rSiMn	0.95-1.05	0.95-1.25	0.45-0.75	0.025	0.025	1.40-1.65	0.3	0.25
	GCr15rSiMo	0.95-1.05	0.20-0.40	0.65-0.95	0.025	0.027	1.40-1.70	0.3	0.25
	GCr18Mo	0.95-1.05	0.25-0.40	0.20-0.40	0.02	0.025	1.61-1.95	0.25	0.25
渗碳轴承钢 Carburizing Steel for Bearing	G20CrMo	0.17-0.23	0.65-0.95	0.20-0.35	0.02	0.025	0.35-0.65		0.25
	G20CrNiMo	0.17-0.23	0.60-0.90	0.15-0.40	0.025	0.025	0.35-0.65	2	0.25
	G20Cr2Ni4	0.17-0.23	0.40-0.70	0.15-0.40	0.025	25	1.25-1.75	3.75	0.25
	G10CrNi3Mo	0.08-0.13	0.40-0.70	0.15-0.40	0.025	0.025	1.00-1.40	3.5	
不锈钢 Stainless Steel	1Cr13	≤0.15	≤1.00	≤1.00	0.03	0.035	11.5-13.5	1)	410
	2Cr13	0.16-0.25	≤1.00	≤1.00	0.03	0.035	12.0-14.0	1)	420
	4Cr13	0.36-0.45	≤0.80	≤0.60	0.03	0.035	13.0-14.5	1)	430
	9cCr18	0.90-1.00	≤0.80	≤0.80	0.03	0.035	17.0-19.0	1)	440C
	1Cr18Ni9	≤0.15	≤2.0	≤1.0	0.03	0.035	17.0-19.0	8.0-10	302
	0Cr18Ni9Ti	≤0.07	≤2.0	≤1.0	0.03	0.035	17.0-19.0	8.0-11	304
	0Cr17Ni14Mo2	≤0.08	≤2.0	≤1.0	0.03	0.035	16.0-18.5	10-14	316
	1Cr17Mu6Ni5N	≤0.15	5.50-7.50	≤1.0	0.03	0.035	16.0-18.0	3.5-5.5	201
	1Cr18Mn8Ni5N	≤0.15	7.50-10.0	≤1.0	0.03	0.035	17.0-19.0	4.0-6.0	202
	1Cr18Mn10Ni5N	≤0.10	8.50-12.0	≤1.0	0.030	0.035	17.0-19.0	4.0-6.0	203

常用规格钢球重量换算表

Steel Ball Conversion Table

公称直径 Nominal Diameter		千克/千粒 kg/1000pcs	粒/千克 No.of balls per 1kg	公称直径 Nominal Diameter		千克/千粒 kg/1000pcs	粒/千克 No.of balls per 1kg
mm	inch			mm	inch		
0.5000		0.00051	1960780	16.6688	21/32	18.9	52.9
0.6800		0.00128	781250	17.0000		20.02	50
0.8000		0.00209	478470	17.4625	11/16	21.7	46
1.0000		0.00408	245100	18.0000		23.97	41.7
1.2000		0.00705	141840	18.2562	23/32	24.8	40.3
1.5000		0.01377	72622	19.0000		27.96	35.7
1.5875	1/16	0.016	62350	19.0500	3/4	28.2	35.5
2.0000		0.0326	30700	19.8438	25/32	31.9	31.4
2.3812	3/32	0.055	18182	20.0000		32.88	30.4
2.5000		0.0637	15698	21.4313	27/32	40.1	24.9
2.6000		0.0717	13946	22		43.43	23
2.7780	7/64	0.088	11349	22.225	7/8	44.8	22.3
3.0000		0.11	9083	23		49.59	20.2
3.1750	1/8	0.131	7634	23.0188	29/32	49.8	20.1
3.5000		0.1749	5718	23.8125	15/16	55.1	18.2
3.9688	5/32	0.255	3922	24		56.39	17.7
4.0000		0.261	3831	24.6063	31/32	60.8	16.5
4.5000		0.3717	2690	25		63.68	15.7
4.7625	3/16	0.441	2268	25.4	1	66.84	15
5.0000		0.51	1961	26		71.69	13.9
5.5000		0.6784	1474	26.1938	1-1/32	73.3	13.6
5.5560	7/32	0.699	1431	26.9875	1-1/16	80.2	12.5
5.9531	15/64	0.86	1163	27.7812	1-3/32	87.4	11.4
6.0000		0.881	1136	28		89.47	11.2
6.3500	1/4	1.0438	958	28.575	1-1/8	95.2	10.5
6.5000		1.119	894	30		110.98	9
6.7469	17/64	1.2531	798	30.1625	1-3/16	112	8.94
7.1438	9/32	1.49	671	31.75	1-1/4	130.6	7.66
7.5000		1.7211	581	32		133.7	7.48
7.9375	5/16	2.04	490	33.3375	1-5/16	151.1	6.62
8.0000		2.09	478	34		160.3	6.24
8.5000		2.5062	399	34.925	1-3/8	173.8	5.75
8.7312	11/32	2.7173	368	35		174.9	5.72
9.0000		2.9761	336	36		190.3	5.25
9.5000		3.4965	286	36.5125	1-7/16	198.6	5.04
9.5250	3/8	3.525	284	38		223.8	4.47
10.0000		4.08	245	38.1	1-1/2	225.6	4.43
10.3188	13/32	4.482	223	39.6875	1-9/16	255.1	3.92
11.0000		5.429	184	40		261.1	3.83
11.1125	7/16	5.6	179	41.275	1-5/8	286.8	3.49
11.5094	29/64	6.219	161	42		302.2	3.31
11.9062	15/32	6.885	145	42.8625	1-11/16	321.2	3.11
12.0000		7.049	142	44.45	1-3/4	358.2	2.79
12.3031	31/64	7.6	132	45		371.7	2.69
12.5000		8	125	46.0375	1-13/16	398.4	2.51
12.7000	1/2	8.355	120	47.625	1-7/8	440.6	2.27
13.0000		9.03	111	48		451.1	2.22
13.4938	17/32	10	100	49.2125	1-15/16	485.4	2.06
14.0000		11.18	89	50		509.9	1.96
14.2875	9/16	11.9	84	50.8	2	534.7	1.87
15.0000		13.87	72.1	53.975	2-1/8	641	1.56
15.0812	19/32	14	71.4	55		678.6	1.47
15.8750	5/8	16.32	61.3	57.15	2-1/4	763.3	1.31

常见的碳钢球和轴承钢球的技术要求

Steel Ball Conversion Table & The Packing of Steel Ball

钢球直径 Diameter		碳钢球 Carbon steel balls			轴承钢球 Rolling bearing-Steel Balls	
mm	in	压碎负荷[N] Crushing load (lowest)	表面硬度(HRC) Hardness (lowest)	渗碳层深度(mm) Carbonize case depth (lowest)	压碎负荷[N] Crushing load (lowest)	表面硬度(HRC) Hardness (lowest)
2.381	3/32	3000	---	0.50	4000	---
3.000		3800	---	0.50	4800	---
3.175	1/8"	4300	---	0.60	5400	---
3.969	5/32"	6700	---	0.60	8400	---
4.000		6800	---	0.60	8500	---
4.763	3/16"	9600	60	0.80	12100	61-66
5.000		10600		0.80	13300	
5.556	7/32*	13100		0.90	16400	
6.000		15200		0.90	19000	
6.350	1/4"	17100		0.90	21300	
7.144	9/32	21500		1.10	26500	
7.938	5/16	26500		1.10	33100	
8.731	11/32"	31700		1.10	42500	
9.525	3/8"	37900		1.40	47400	
10.319	13/32"	39700		1.40	49900	
11.113	7/16"	45500		1.70	56100	
11.906	15/32"	51400		1.70	62700	
12.700	1/2"	57500		1.80	83300	
14.288	9/16"	65800		1.90	104860	
15.875	5/8"	84100		1.90	128380	
17.463	11/16*	108300		2.00	154840	
19.050	3/4"	128200		2.00	183260	
22.225	7/8"	155000		2.00	246960	
25.400	1	195000		2.00	318500	

注: 500,1000级不做压碎试验。
Note: The crushing load test of the G500 and G1000 steel balls don't need

钢球硬度修正值一览表

Steel Ball Conversion Table & The Packing of Steel Ball

钢球直径 (Dw)	实测值 (H)	钢球硬度修正值 (H _s)																
		50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66
1/8"	58.8	59.6	60.5	61.3	62.2	63	63.9	64.7	65.6	66.4	67.3	68.1	69	69.8	70.7	71.6	72.4	73.3
5/32"	57	57.9	58.8	59.6	60.5	61.4	62.3	63.2	64	64.9	65.8	66.7	67.6	68.5	69.4	70.2	71.1	72
3/16"	55.9	56.8	57.6	58.5	59.4	60.3	61.2	62.1	63	63.9	64.8	65.7	66.6	67.6	68.5	69.4	70.3	71.2
1/4"	54.4	55.3	56.2	57.2	58.1	59	59.9	60.3	61.8	62.7	63.6	64.6	65.5	66.4	67.3	68.3	69.2	70.1
9/32"	53.9	54.8	55.8	56.7	57.6	58.6	59.5	60.4	61.4	62.3	63.2	64.2	65.1	66	67	67.9	68.9	69.8
5/16"	53.5	54.5	55.4	56.3	57.3	58.2	59.1	60.1	61	62	62.9	63.8	64.8	65.7	66.7	67.6	68.6	69.5
3/8"	53	53.9	54.8	55.8	56.7	57.7	58.6	59.6	60.5	61.5	62.4	63.4	64.3	65.3	66.2	67.2	68.1	69.1
7/16"	52.5	53.5	54.5	55.4	56.3	57.3	58.2	59.2	60.2	61.1	62.1	63	64	65	65.9	66.9	67.8	68.8
1/2"	52.2	53.2	54.1	55.1	56	57	58	59	59.9	60.9	61.8	62.8	63.7	64.7	65.7	66.6	67.6	68.6
5/8"	51.8	52.7	53.7	54.7	55.6	56.6	57.6	58.5	59.5	60.5	61.5	62.4	63.4	64.4	65.3	66.3	67.3	68.3
3/4"	51.5	52.4	53.4	54.3	55.4	56.3	57.3	58.3	59.3	60.2	61.2	62.2	63.2	64.1	65.1	66.1	67.1	68.0
7/8"	51.3	52.2	53.2	54.2	55.2	56.1	57.1	58.1	59.1	60.1	61	62	63	64	65	65.9	66.9	67.9
1"	51.1	52.1	53.1	54	55	56	57	58	58.9	59.9	60.9	61.9	62.9	63.9	64.8	65.8	66.8	67.8

振动值表

Rolling Bearings-Balls Vibration

钢球直径 Diameter		精度等级 Grade		G20	G16	G10 G5 G3	
		振动组别 Vibration				Z1	Z2
Dw(mm)							
超过 Over	到 To	平均值 Average	单个值 Max.	平均值 Average	单个值 Max.	平均值 Average	单个值 Max.
4.5	6.5	39.5	41.5	37.5	39.5	35.5	37.5
6.5	7.5	40	42	38	40	36	38
7.5	10	40.5	42.5	38.5	40.5	36.5	38.5
10	11	42	44	40.5	42.5	38.5	40.5
11	12	42.5	44.5	41	43	39	41
12	13	43	45	41.5	43.5	39.5	41.5
13	14	43.5	45.5	42	44	40.0	42
14	15	44	46	42.5	44.5	40.5	42.5
15	16	44.5	46.5	42.5	44.5	40.5	42.5
16	17	45.0	47.0	43	45	41	43
17	17.5	45.5	47.5	43.0	45.0	41.0	43

美国标准

ANSI/AFBMA-STD 10-2001-USA

Form and Surface Roughness Tolerances

等级 Grade	球直径变动量 Ball Dia.variation		球形误差 Deviation from Spherical form (U)	表面粗糙度 Surface roughness (Ra)	批直径变动量 Lot Dia.variation (U)	基本直径公差 Basic Dia.tolerance (U)
	INCH	(U)				
3	3E-06	0.08	0.08	0.012	0.13	±0.75
5	5E-06	0.13	0.13	0.02	0.25	±1.25
10	1E-05	0.25	0.25	0.025	0.5	±2.5
16	1.6E-05	0.4	0.4	0.025	0.8	±2.5
24	2.4E-05	0.6	0.6	0.05	1.2	±2.5
48	4.8E-05	1.2	1.2	0.08	2.4	±5
100	0.0001	2.5	2.5	0.125	5	±12.5
200	0.0002	5	5	0.2	10	±25
500	0.0005	13	13	—	25	±50
1000	0.001	25	25	—	50	±125
2000*		50	50	—	100	±125

ISO国际标准及中国标准

ISO3290:2001(E)& GB/T 308-2002

Form and Surface Roughness Tolerances

等级 Grade	基本直径公差 Nominal diameter deviation △DwML	球直径变动量 Variation of ball diameter Vows	球形误差 Deviation from spherical form △Sph	批直径变动量 Variation of ball lot diameter VDWL	表面粗糙度 Surface roughness Ra
不超过 Maximum μm					
G3	—	0.08	0.08	0.13	0.010
G5	—	0.13	0.13	0.25	0.014
G10	—	0.25	0.25	0.50	0.020
G16	—	0.4	0.40	0.80	0.025
G20	—	0.5	0.50	1.00	0.032
G24	—	0.6	0.60	1.20	0.040
G28	—	0.7	0.70	1.40	0.050
G40	—	1	1	2	0.060
G60	—	1.5	1.5	3	0.080
G100	±12.5	2.5	2.5	5	0.100
G200	±25	5	5	10	0.150
G500	±50	13	13	25	—
G1000	±125	25	25	50	—

德国标准

DIN 5401:2002-08

Dimensional and Form Tolerances, and Surface Roughness

等级 Grade	基本直径 Nominal size, in mm		公差 Limit deviation in μm	球直径 变动量 VoWS in μm Max	表面粗糙度 Ra in μm Max	批直径 变动量 VDWL in μm Max.	规值内球 直径变动量 VoWA in μm Max	分规值 间距 IG,ST in μm	优先规值 Preferred gauges values in μm		
	Over	Up to							-	0	+
G3	-	12.7	±5.32	0.08	0.01	0.13	-	0.5	-5 to -1	0	+0.5 to +5
G5	-	12.7	±5.63	0.13	0.014	0.25	-	1	-5 to -1	0	+1 to +5
G10	-	25.4	±9.75	0.25	0.02	0.50	-	1	-9 to -1	0	+1 to +9
G16	-	25.4	±11.4	0.40	0.025	0.80	-	2	-10 to -2	0	+2 to +19
G20	-	38.1	±11.5	0.50	0.032	1.00	-	2	-10 to -2	0	+2 to +10
G28	-	50.8	±13.7	0.70	0.05	1.40	-	2	-12 to -2	0	+2 to +12
G40	-	100	±19.0	1.00	0.06	2.00	-	4	-16 to -4	0	+4 to +16
G80	-	100	±14.0	2.00	0.10	-	4.0	4	-12 to -4	0	+4 to +12
G100	-	150	±47.5	2.50	0.10	5.00	-	10	-40 to -10	0	+10 to +40
G200	-	150	±72.5	5.00	0.15	10.0	-	10	-60 to -10	0	+10 to +60
G300	-	25.4	±70.0	10.0	0.20	-	20	20	-60 to -20	0	+20 to +60
G500	-	25.4	±75.0	25	-	-	50	50	-50	0	+50
G600	-	all	±200	-	-	-	400	-	-	0	-
G700	-	all	±1000	-	-	-	2000	-	-	0	-

球架产品

Ball Retainer



Model DZ-1

Size: 5mmx8
B.B.parts
Packing:200pcs/box,
2000pcs/ctn,
0.80cuft3
N.W.:13.0kgs,
G.W.:14.5kgs



Model DZ-2

Size: 6mmx7
B.B.parts
Packing:200pcs/box,
2000pcs/ctn,
0.80cuft3
N.W.:18.0kgs,
G.W.:19.5kgs



Model DZ-3

Size: 6mmx8(A)
B.B.parts
Packing:200pcs/box,
2000pcs/ctn,
1.0cuft3
N.W.:21.0kgs,
G.W.:22.5kgs



Model DZ-4

Size: 1/4"x8
B.B.parts
Packing:200pcs/box,
2000pcs/ctn,
1.0cuft3
N.W.:24.0kgs
G.W.:25.5kgs



Model DZ-5

Size:1/4"x9
B.B.parts
Packing:200pcs/box,
2000pcs/ctn,
0.80cuft3
N.W.:23.0kgs,
G.W.:25.0kgs



Model DZ-6

Size: 1/4"x9(A)
B. B. parts
Packing:200pcs/box,
2000pcs/ctn,
1.0cuft3
N.W.:25.0kgs
G.W.:26.5kgs



Model DZ-7

Size: 7/32" x 10
B.B.parts
Packing: 200pcs/box,
2000pcs/ctn,
0.49cuft3
N.W.:16.0kgs,
G.W.:17.0kgs



Model DZ-8

Size: 3/16" x 11
B.B.parts
Packing: 200pcs/box,
2000pcs/ctn,
0.72cuft³
N.W.:13.5kgs,



Model DZ-9

Size:5/16"x9
BMX B.B.cup
Packing:100pcs/box,
1000pcs/ctn,
0.89cuft3
N.W.:24.0kgs,
G.W.:26.0kgs

球架主要技术参数

Main Technical Parameters of Ball Retainers

安装位置 Place to fix	序号 No.	代号 Code No	规格 Specification	架体尺寸 Frame diameter		包装标准 Standard packing			
				外径(mm) Outside	内径(mm) Inside	装量(pcs) Pcs/Carton	净重 (kgs) Net	毛重 (kgs) Gross	尺码(cm) Measurement
中轴 Middle Hub	1	Z-1	5mmx8	30.5	23	2000	13	14.5	36*35*18
	2	Z-2	5mmx9	30.5	23	2000	14	15.5	36*35*18
	3	Z-3	6mmx7	29.5	18.8	2000	18	19.5	36*35*18
	4	Z-4	6mmx8	29	19	2000	16	17.5	36*35*18
	5	Z-5	6mmx8A	34.7	24.0	2000	21	22.5	41*35*20
	6	Z-6	6mmx9	34.7	24.0	2000	18	19.5	41*35*20
	7	Z-7	5mmx12	28.7	21.5	2000	15.5	17	36*35*18
	8	Z-8	3/16"x9	30.5	23.0	2000	13	14.5	36*35*18
	9	YZ-1	1/4"x7	29.0	19.0	2000	20	21.5	36*35*18
	10	YZ-2	1/4"x8	34.7	24.0	2000	24	25.5	41*35*20
	11	YZ-3	1/4"x9	29	19.0	2000	23	24.5	36*35*18
	12	YZ-4	1/4"x9A	34.7	24.0	2000	25	26.5	41*35*20
	13	YZ-5	7/32"x8	26.0	18.0	2000	14.8	16.5	36*35*18
	14	YZ-6	7/32"x9	29.2	18.5	2000	14.5	15.5	34*24*17
	15	YZ-7	7/32"x10	30	21.5	2000	16	17	34*24*17
	16	YZ-8	3/16"x11	30.0	22.2	2000	13.5	14.5	37*29*19
	17	YZ-9	3/16"x12	30	22.2	2000	15	16	37*29*19
	18	YZ-10	5/16"x9	44.6	32.0	1000	24	26	48*25*21
	19	YZ-11	5/16"x12	45.2	32.0	1000	29.2	31	48*25*21
	20	YZ-12	5/16"x7	38.0	23.5	1200	22	23.5	43*22*24
	21	YZ-13	5/16"x8	38.2	23.5	1200	24.5	26	43*22*24
前轴 Front Hub	22	Q-1	5mmx6	20.6	12.8	4000	18	19.5	26*26*25
	23	Q-2	5mmx7	20.6	12.8	4000	20	21.5	26*26*25
	24	YQ-1	3/16"x6	20.6	12.8	4000	15	16.5	26*26*25
	25	YQ-2	3/16"x7	20.6	12.8	4000	17	18.5	26*26*25
后轴 Rear Hub	26	H-1	6mmx6	24.6	15.0	2000	15	16.5	31*30*17
	27	H-2	6mmx7	24.6	15.0	2000	16.8	18.3	31*30*17
	28	YH-1	1/4"x6	24.6	15.0	2000	16	17.5	31*30*17
	29	YH-2	1/4"x7	24.6	15.0	2000	18	19.5	31*30*17
前叉 Head	30	YC-1	5/32"x14	36.5	23.4	2000	10.5	12	43*22*24
	31	YC-2	5/32"x15	37.2	30.0	2000	11	12.5	43*22*24
	32	YC-3	5/32"x16	37.2	31.0	2000	12	13.5	43*22*24
	33	YC-4	5/32"x20	40.0	33.0	2000	15	16.5	43*23*25
	34	YC-5	5/32"x22	40.0	33.0	2000	16	17.5	43*23*25
	35	YC-6	3/16"x12	37.0	29.0	2000	17	18.5	43*23*25
	36	YC-7	3/16"x15	34.2	32.0	2000	18.5	20	43*23*25
	37	YC-8	1/8"x33A	60.0	45.0	2000	16	17.5	40*32*27
	38	YC-9	1/8"x25A	60.0	45.0	2000	14	15.5	40*32*27
	39	YC-10	1-1/8"x22	40.0	30.0	2000	9.5	11	43*23*25
刹车 Coaster Brake	40	S-1	6mmx12	39.5	29.5	2000	28	29.5	45*35*23
	41	YS-1	7/32"x9	32.2	23.2	2000	17	18	36*30*19
	42	YS-2	1/4"x10	39.5	29.5	2000	28	29.5	45*35*23
脚踏 Pedal	43	YS-3	1/4"x11	39.5	29.5	2000	30	32	45*35*23
	44	J-1	4mmx7	18.8	11.5	3000	9	10	32*22*12
	45	YJ-1	5/32"x6	18.8	11.5	3000	8.3	9.5	32*22*12
内变速器 Inside Gearshift	46	YJ-2	5/32"x7	18.8	11.5	3000	9	10	32*22*12
	47	YB-1	7/32"x9	45.8	35	1400	15	16.6	48*25*22
	48	YB-2	7/32"x11	45.8	35	1400	17	18.6	48*25*22